



# ON-Gard® 5-0-0 / 5-0-2

## Fertilizer

ON-Gard is an innovative fertilizer that is 100% plant-derived, 100% water soluble, and consistent in composition. Unlike many other amino acid fertilizers derived from animal origin, ON-Gard is free of antibiotics, heavy metals and chlorides and other polluting agents. With a low Salinity Index there is an absence of phytotoxic effects after foliar application of 5X the recommended dose.

ON-Gard increases stress tolerance (extreme heat, drought or high salts), increases plant/crop/turf growth and enhances nutrient uptake and overall absorption. It is rapidly absorbed by leaves and roots and transferred throughout the plant.

It can improve the quality of fruits and vegetables by improving yield and reducing nitrates. It can improve ornamental crops by creating more vibrant plants with faster rooting, better foliage color and more vivid blooms.

ON-Gard can be applied as a foliar spray, root drench or root dip. It is suitable for use on all plants.

### ON-Gard Benefits

- Organic fertilizer
- 100% plant-derived, water soluble, consistent in composition
- Can be applied as a spray, root drench or dip
- Improves plant development and helps sustain growth
- Improves quality of fruits and vegetables by improving yield and reducing nitrates
- Improves ornamentals with faster rooting, better foliage color and more vivid blooms
- Supplies Nitrogen provided by amino acids
- Helps plants withstand abiotic stresses (heat/cold, drought, pest, low light, salinity)
- Foliar and root uptake is rapid
- Augments the uptake of other nutrients



Available in the following sizes:  
**5-0-0:** 2.5Gal and 5Gal  
**5-0-2:** 2.5Gal, 5Gal and 30 Gal



0.25% ON-Gard



Control

Effect of ON-Gard against drought stress of perennial ryegrass (3 applications over 11 week period)



# BioWorks®

To find out more about the BioWorks family of products, please contact us at 800-877-9443 or visit [www.bioworksinc.com](http://www.bioworksinc.com).

100 Rawson Rd., Ste. 205, Victor, NY 14564  
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# ON-Gard<sup>®</sup> 5-0-0 / 5-0-2

## Application Rates

ON-Gard Application Guide				
Crop	Foliar Spray Rate (spray on foliage to glisten)		Drench Rate (use sufficient water to penetrate root zone)	
	Greenhouse / High Tunnel Edibles	1 qt - 2.0 gal/100 gal 2 tsp - 2.5 fl oz/gal	250 mL - 2.0 L/100 L 2.5 mL - 20 mL/L	1 qt - 2.5 gal/100 gal 2 tsp - 3.3 fl oz/gal
Greenhouse, Nursery Ornamentals	1 qt - 2.0 gal/100 gal 2 tsp - 2.5 fl oz/gal	250 mL - 2.0 L/100 L 2.5 mL - 20 mL/L	1 qt - 2.5 gal/100 gal 2 tsp - 3.3 fl oz/gal	250 mL - 2.5 L/100 L 2.5 mL - 25 ml/L
Landscape Ornamentals	1 qt - 2.0 gal/100 gal 2 tsp - 2.5 fl oz/gal	250 mL - 2.0 L/100 L 2.5 mL - 20 ml/L	1 qt - 2.5 gal/100 gal 2 tsp - 3.3 fl oz/gal	250 mL - 2.5 L/100 L 2.5 mL - 25 ml/L

ON-Gard Edible Field Crop Application Guide			
Crop	Foliar Application		Notes
Field Production Fruits and Vegetables	16-64 fl oz/ ac In as much water as is needed for adequate foliage coverage	2.25-4.5 L/ ha In as much water as is needed for adequate foliage coverage	Up to 6 times per growing season

ON-Gard Grape Application Guide		
Foliar Application (In as much water as is needed for adequate foliage coverage)		Notes
16-64 fl oz/ ac	2.25-4.5 L/ ha	at fruit set
16-64 fl oz/ ac	2.25-4.5 L/ ha	at veraison
16-64 fl oz/ ac	2.25-4.5 L/ ha	tank mixed with each fungicide application

ON-Gard Turf Application Guide			
Foliar Spray Rate <sup>1</sup> (spray on foliage to glisten)		Drench Rate <sup>1</sup> (use sufficient water to penetrate root zone)	
1 qt - 2.0 gal/ in up to 100 gal water/acre	2.4 - 19 L/ in up to 1000 L water/ha	1 qt-2.5 gal/100 gal water/acre	2.4 - 23.4 L/ 1000 L water/ha
1 - 6 fl oz/ in up to 2 gal water/1000 sq ft	24 - 190 ml/ in up to 10 L water/100 sq m	1 - 7.5 fl oz/ 2 gal water/1000 sq ft	24 - 234 ml/ 10 L water/100 sq m

<sup>1</sup> - apply up to 6 times per growing season



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Please refer to product labels for complete application details. Additional technical information is available from either our website: [www.bioworksinc.com](http://www.bioworksinc.com), or your BioWorks sales representative. Always read and follow label directions.

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