

ON-Gard[®]

5-0-0 Fertilizer

ON-Gard[®] is an innovative nutrient complement to your current fertilizer program. It stimulates plant development beyond a current fertilizer program by improving nutrient uptake.

ON-Gard helps sustain plant growth. 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 supplies Nitrogen provided by amino acids, which help plants to withstand abiotic stresses (heat/cold, drought, pests, low light, salinity).

ON-Gard 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 does.

Additionally, vegetal-based amino acids provide the most useful array for plants and are directly absorbed. 100% of the amino acids in ON-Gard are useful for plant growth. ON-Gard is produced in an OMRI inspected facility with a unique technology that preserves the biological activity of the components.

ON-Gard can be applied as a spray to foliage or newly planted seed, and as a root drench or dip. Foliar and root uptake is rapid and quickly translocated throughout the plant. The readily available amino acids allow the plant to side-step the energy-consuming production process of these essential building blocks, leading to the more efficient generation of new cells and chlorophyll. ON-Gard also augments the uptake of other nutrients, thus increasing the efficiency of fertilizer.



A B

Tomato cuttings treated with 0 mL/L (A) and 6 mL/L (B)



Control

ON-Gard 0.25%

Effects of ON-Gard against drought stress of perennial ryegrass (3 applications over 11 weeks)

Applications: see label for timing and additional recommendations

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	250 mL – 2.0 L/100 L	1 qt – 2.5 gal/100 gal
2 tsp – 2.5 fl oz/gal		2.5 mL – 20ml/L	2 tsp – 3.3 fl oz/gal	2.5 mL – 25 ml/L
Greenhouse, Nursery Ornamentals	1 qt - 2.0 gal/100 gal	250 mL - 2.0 L/100 L	1 qt - 2.5 gal/100 gal	250 mL - 2.5 L/100 L
	2 tsp – 2.5 fl oz/gal	2.5 mL - 20 mL/L	2 tsp - 3.3 fl oz/gal	2.5 mL - 25 ml/L
Landscape Ornamentals	1 qt - 2.0 gal/100 gal	250 mL - 2.0 L/100 L	1 qt - 2.5 gal/100 gal	250 mL - 2.5 L/100 L
	2 tsp – 2.5 fl oz/gal	2.5 mL - 20 ml/L	2 tsp - 3.3 fl oz/gal	2.5 mL - 25 ml/L

ON-Gard Edible Field Crop Application Guide			
Crop	Foliar Application		Notes
Field Production Fruit 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

ON-Gard Turf Application Guide			
Foliar Application (In as much water as is needed for adequate foliage coverage)		Drench Rate ¹ (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

¹ Apply up to 6 times per growing season