

## GOgen

# On-Site Peroxide UltraPure™ generation using only water, electricity and air

### Improves Crop Health and Yields, Reduces maintenance costs



**GOgen** is the world's first proven solution for the on-site production of Peroxide UltraPure™, a powerful peroxide-based, ultra-high-purity, safe and stable oxidizer, directly on-site.



**GOgen** requires only water, electricity and air to operate. Peroxide UltraPure™ breaks down to pure water and oxygen following use.



Uniquely designed for the needs of the horticulture industry - no stabilizing materials, or other additives which can end up in plants or in the soil, are introduced or required.

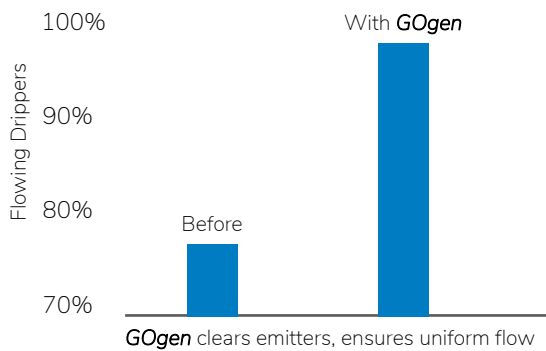


Proven across a wide range of crops, substrates and micro-irrigation systems, Peroxide UltraPure™ reduces irrigation system maintenance, prolongs system lifetime, improves crop health and increases yields.



## Improves crop yields through uniform irrigation

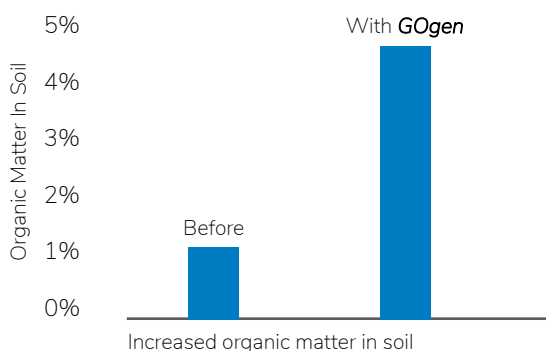
Peroxide UltraPure™ keeps emitters clean and irrigation uniform, ensuring all plants get the same amount of water and nutrients. This creates optimal conditions for the crop, which result in yield increases and better fruit quality. Maintenance and replacement of the irrigation system is reduced. Unlike chlorine, Peroxide UltraPure™ is safe to use across a wide pH window, causing no harm to emitter diaphragms and maintaining a stable flow rate for many years.



## Improves plant vigor and pathogen resistance Provides your crop with the nutrients it needs

### GOgen increases organic matter in the soil, boosts micro-organism growth

**GOgen** improves dissolution of organic fertilizers in water, and provides soil micro-organisms with the oxygen they need to thrive, resulting in increased organic matter available to the plant and improved plant nutrition and vigor.



## Protects your crop against pests and disease

Better irrigation uniformity and higher water oxygenation improve crop nutrition and boost its natural ability to fight disease.



## GOgen | Key Features and Benefits

Peroxide UltraPure™ requires no stabilizers or other additives and breaks down to pure water and oxygen following use, leaving no unwanted traces behind.



SYSTEM - GOgen	A1000	A2000	A3000	I-5	I-10	I-15	I-20
CAPACITY	1 kg/day	2 kg/day	3 kg/day	5 kg/day	10 kg/day	15 kg/day	20 kg/day
H <sub>2</sub> O <sub>2</sub> CONCENTRATION	10000 ppm						
VOLUME/DAY	100 L	200 L	300 L	500 L	1000 L	1500 L	2000 L
FEEDWATER PRESSURE	0-4 bar						
POWER CONSUMPTION	1.3 kW	1.7 kW	2.6 kW	3 kW	6 kW	9 kW	12 kW

## GOgen | Key Features and Benefits

On-site generation of Peroxide UltraPure™

Requires only water, air and electricity

Higher crop yields through improved irrigation uniformity

Decreased irrigation system maintenance

Longer irrigation system lifetime

Improved plant vigor, health and fruit quality

Improved plant nutrition via increased fertilizer dissolution and soil oxygenation

Eco-friendly, suitable for organic agriculture

No stabilizers or other additives

Safe output concentration

# CASE STUDIES

## ON-SITE GENERATION OF HYDROGEN PEROXIDE USING ONLY WATER, ELECTRICITY AND AIR

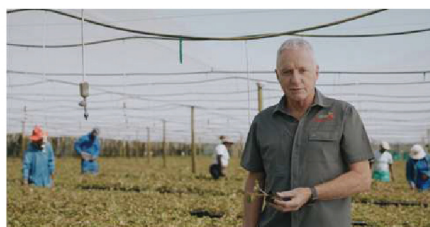


### Eliminating Pythium and improving operations

To improve greenhouse operations and decrease risks of Pythium outbreaks, Peace Tree Farm installed a **GOgen** system. After dosing the Peroxide UltraPure™ generated by the system, the differences in plant development became very evident.



**DOWNLOAD  
CASE STUDY**



### Peroxide UltraPure lowers plant mortality at strawberry nursery in South Africa

Garden of Eden Berries, the largest exporter of strawberry fruit in the Southern Hemisphere, reports 10% decrease in plant mortality after implementing an HPNow system as compared to industrial peroxide.



**DOWNLOAD  
CASE STUDY**



### Sustainable water treatment for irrigation community

Zebra mussels disappeared after installation of a **GOgen** system at the Picassent irrigation community in Spain.



**DOWNLOAD  
CASE STUDY**



hpnow  
peroxide made simple

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