



## CROP PROTECTION SOLUTIONS

FOLIAR TREATMENT | SOIL TREATMENT | WATER TREATMENT





# BioSafe Systems<sup>LLC</sup>

Simply Sustainable. Always Effective.

## ABOUT BIOSAFE SYSTEMS

BioSafe Systems, a family-owned manufacturer of bio-degradable disease control products, began selling its flagship product ZeroTol to the horticulture industry in 1998. The company quickly expanded to the agricultural, industrial, and consumer markets with innovative pest control solutions, applications, and products. The mission of BioSafe Systems is to provide disease control solutions utilizing reduced-risk chemistries that do not negatively impact the health and safety of people and the environment. The company is headquartered in Connecticut, but provides products and services in North and South America.

Communication, training, and product support are essential components in all disease management programs. BioSafe Systems offers many support programs and resources to help keep QA Managers educated and their food safety programs in compliance through the constantly changing landscape of regulations, inspections, and restrictions.

BioSafe Systems takes pride in prompt and effective customer service. Call BioSafe Systems' toll-free number, 1.888.273.3088, and speak with a live representative who will answer questions and offer expertise. There are also over a dozen technical service managers throughout the country who are available for in-person meetings.

"BIOSAFE SYSTEMS IS PROUD TO STAND BY OUR MOTTO, SIMPLY SUSTAINABLE, ALWAYS EFFECTIVE. WE ARE CONSTANTLY LOOKING FOR INNOVATIVE SOLUTIONS FOR CROP PROTECTION AND DISEASE CONTROL."

– Rob Larose, BioSafe Systems



# AGRICULTURE CROP PROTECTION SOLUTIONS

## SUSTAINABLE SOLUTIONS FOR PRODUCE FROM FIELD TO FORK

Founded on a Field to Fork approach and dedicated to environmental stewardship, BioSafe Systems provides environmentally responsible chemistries to all facets of the Agricultural Production Process. This philosophy centers around our mission to provide comprehensive agrichemical solutions for crop quality and food safety from the Field to the Fork.

BioSafe Systems' Field to Fork Solutions include:

- Pre-harvest Crop Protection Solutions
- Irrigation Water Treatment
- Sanitation Chemistries for Field Harvesting Equipment & Tools
- Packing-House Sanitation & Water Treatment Solutions
- Raw & Processed Fruit & Vegetable Antimicrobial Solutions
- Retail Consumer-Based Food Safety Products





## CROP PROTECTION SOLUTIONS

BioSafe Systems' line of Crop Protection products utilize reduced risk chemistries to help provide curative and preventative treatments for a wide variety of crops. The unique activated peroxygen chemistries and innovative formulations provide growers with powerful and effective crop protection tools. Our agricultural line of products offer comprehensive crop protection and water quality solutions. With BioSafe Systems' EPA Registered, OMRI Listed, NOP compliant, and chlorine alternative products, growers increase yields using a sustainable approach.



"I WAS LOOKING FOR A PRODUCT THAT HAS THE ABILITY TO INSTANTLY AND COMPLETELY KNOCK DOWN PLANT DISEASES. OXIDATE IS VERY EFFECTIVE FOR BROAD SPECTRUM DISEASE CONTROL. OXIDATE WAS ABLE TO KILL/CONTROL PATHOGENS OUT IN THE FIELD, WHETHER BACTERIAL, FUNGAL, MOLD OR MILDEW."

– David Peri, Peri & Sons

## OxiDate® 2.0

FOLIAR BROAD SPECTRUM BACTERICIDE/FUNGICIDE



Apply OxiDate 2.0 to crops throughout the growing season to provide knockdown control, as well as preventative control of bacterial inoculums and fungal spores. Our activated peroxygen chemistry has been proven through university research to work on a broad spectrum of pathogens, resulting in increased yields.

- 0–Day Pre–Harvest Interval
- No Mutational Resistance
- Tank Mix With Fungicides & Insecticides
- Spray Just Prior to Harvest to Reduce General Bacteria, Yeasts, & Molds
- Proven Efficacy Against Powdery & Downy Mildew, *Botrytis*, & Various Bacterial Pathogens

Available in 2.5, 5, 30, 55, and 275 gallon containers.

\* For organic crops use OxiDate Broad Spectrum Bactericide/Fungicide.

## OxiPhos®

SYSTEMIC BACTERICIDE/FUNGICIDE



OxiPhos is a systemic bactericide/fungicide used to control and prevent fungal pathogens in field grown crops. OxiPhos provides effective control of Bacterial Blight, Downy Mildew, *Phytophthora*, and *Pythium*.

- Apply Via Foliar Spray, Drip Line Injection, or Transplant Dip
- Use Higher Rate of Application when Disease Pressure is Severe
- Do Not Exceed Application Frequency Rates

Available in 2.5, 5, 30, 55, and 275 gallon containers.



## TerraClean® 5.0

SOIL TREATMENT BACTERICIDE/FUNGICIDE



TerraClean 5.0 controls pathogens in various soil profiles. TerraClean 5.0 is formulated specifically for soil treatment applications on a variety of vegetable and fruit crops. Easily chemigated into drip irrigation systems, TerraClean 5.0 controls a range of pathogens including *Pythium*, *Phytophthora*, *Fusarium*, *Rhizoctonia*, and *Verticillium*.

- Curative and Preventative Treatment
- Powerful Oxidation Penetrates Soil, Oxygenates Root Zones, and Enhances Nutrient Uptake
- Can Be Incorporated with Other Soil Treatment Options

Available in 5, 30, 55, and 275 gallon containers.

\* For organic crops use TerraClean Broad Spectrum Bactericide/Fungicide.

"TERRACLEAN ABSOLUTELY DOES ITS JOB. TOMATO PRODUCTION INCREASED 60% IN OUR HIGH TUNNEL JUST BY APPLYING TERRACLEAN TO THE SOIL AND IN THE TRANSPLANT SOLUTION, SOIL DISEASES WERE GONE AND PLANTS FLOURISHED."

– Richard Manfredi, Manfredi Farms

## AzaGuard®

BOTANICAL INSECTICIDE/NEMATICIDE



AzaGuard is a 3% Azadirachtin concentrate that offers broad spectrum insecticidal control and prevention of over 300 species. AzaGuard's primary mode of action is an Insect Growth Regulator that prevents molting between larval, pupal, and nymphal stages and also repels insects in treated areas. AzaGuard is EPA Registered and the ideal partner in an IPM program.

- Superior Azadirachtin Formula
- Broad Spectrum (IGR) Insect Growth Regulator Insecticide
- Low Use Rates and Goes Readily Into Solution

Available in 32 fl. oz. and 1 gallon containers.

**AXXE®**

BROAD SPECTRUM HERBICIDE



AXXE herbicide is formulated to deliver maximum performance and provides fast-acting results on a broad-spectrum of weeds and grasses, as well as most mosses and lichens. AXXE utilizes an ammoniated soap chemistry that penetrates the cell walls of plant tissue without translocating or volitalizing, making it an ideal herbicide in organic and greenhouse applications. AXXE is also an effective tool for conventional growers with challenges managing glyphosate resistant weeds.

- No Residue Restrictions
- No Mutational Resistance
- Broad-Spectrum Control of Annual & Bi-Annual Weeds

Available in 1, 2.5, 5, 30, 55, and 275 gallon containers.





## IRRIGATION WATER TREATMENT SOLUTIONS

Irrigation Water Treatment is becoming a critical component in our Crop Protection and Food Safety Program. BioSafe Systems offers practical, cost-effective solutions for all irrigation water treatment, including the necessary pumps for injection. BioSafe Systems' water treatment products work on contact to kill algae, bacteria, and fungi, including general bacterial coliforms. They leave behind no residuals, making them environmentally-responsible methods of treating and protecting agricultural water sources.



"WE HAVE BEEN VERY HAPPY WITH OUR RESULTS IN OUR FLOOD IRRIGATION SYSTEM SINCE SWITCHING TO SANIDATE 12.0. WE HAVE NOT HAD ANY PROBLEMS WITH PYTHIUM IN OUR FLOOD IRRIGATION WATER WHILE USING THIS PRODUCT."



## SaniDate® 12.0

WATER TREATMENT MICROBIOCIDES



SaniDate 12.0 is a powerful activated peroxygen treatment that eliminates general bacterial coliforms and water borne plant pathogens. SaniDate 12.0 may be chemigated into all types of irrigation systems and can be used periodically or continually throughout the season. SaniDate 12.0 can also be used for irrigation line cleaning or injected at low ppms to maintain clean irrigation lines.

- Not pH Dependant, No Buffering Required
- Effective Against Bacteria, Fungi, Algae, & BioFilms, Including General Bacterial Coliforms
- Highly Stabilized Water Treatment Solution
- Can be Chemigated into Center Pivot, Solid, Set/Overhead Sprinklers, & Drip Irrigation

Available in 30, 55, and 275 gallon containers.

## GreenClean® PRO

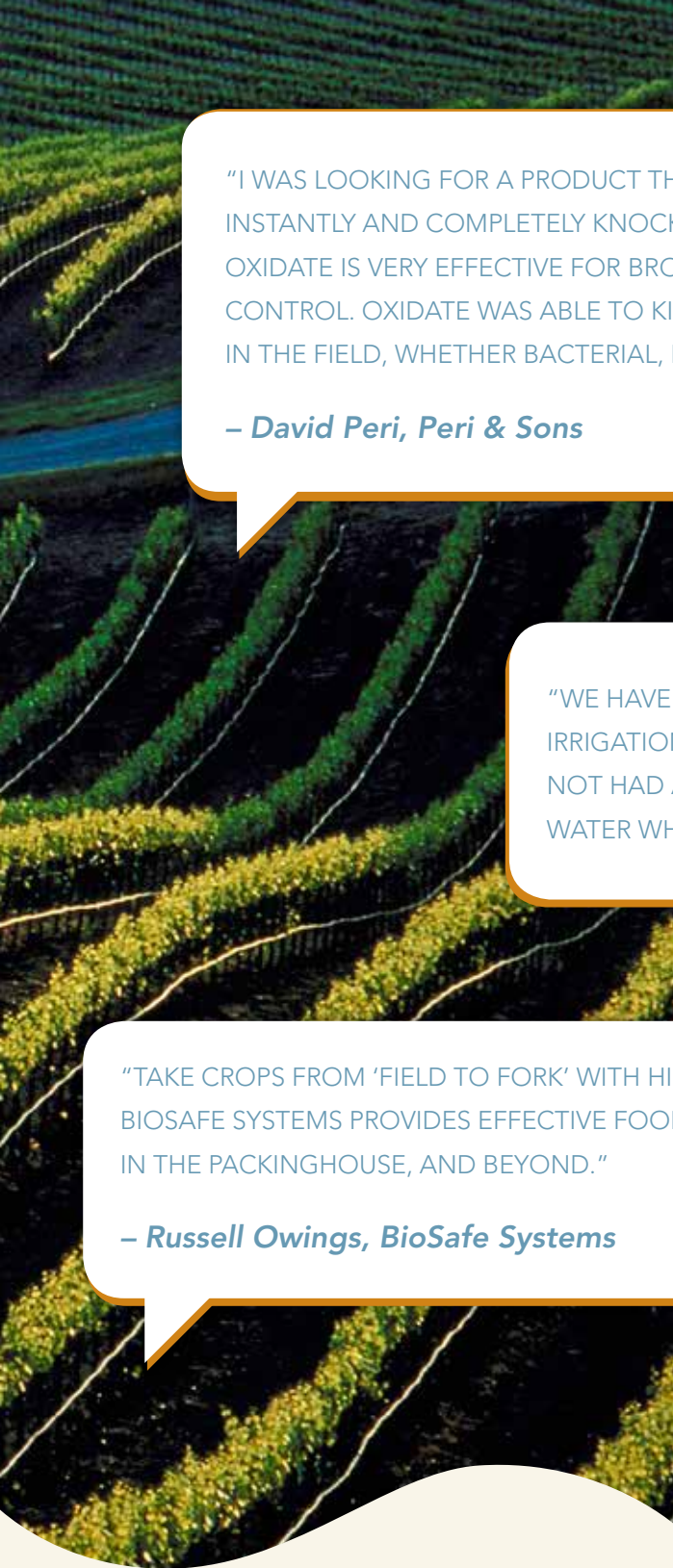
GRANULAR ALGAECIDE/FUNGICIDE



GreenCleanPRO is a unique chemistry formulated to suppress/control algae, bacteria and fungi on contact in agricultural irrigation waters. GreenCleanPRO is a solid, stabilized form of hydrogen peroxide that breaks down enzymes and proteins that make up algae. As GreenCleanPRO attacks the pathogens, it destroys the internal structures of the cells.

- No Use Restrictions or Bio-Accumulation
- Immediate Oxidation Process for Fast Acting Algae & Fungi Control
- Treated Waters Can Be Used Without Interruption
- Releases Vital Oxygen as it Works

Available in 50 lb. bags.



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– *David Peri, Peri & Sons*

"WE HAVE BEEN VERY HAPPY WITH OUR RESULTS IN OUR FLOOD IRRIGATION SYSTEM SINCE SWITCHING TO SANIDATE 12.0. WE HAVE NOT HAD ANY PROBLEMS WITH PYTHIUM IN OUR FLOOD IRRIGATION WATER WHILE USING THIS PRODUCT."

"TAKE CROPS FROM 'FIELD TO FORK' WITH HIGHER YIELDS AND BETTER QUALITY. BIOSAFE SYSTEMS PROVIDES EFFECTIVE FOOD SAFETY SOLUTIONS IN THE FIELD, IN THE PACKINGHOUSE, AND BEYOND."

– *Russell Owings, BioSafe Systems*

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– *Rob Larose, BioSafe Systems*



## FOOD SAFETY TREATMENT SOLUTIONS

BioSafe Systems also offers an industry leading package of food safety chemicals, supplies, and equipment to meet all of the needs and requirements of your facility's sanitation and food safety program. BioSafe Systems provides the safe and effective alternative to chlorine for sanitizing and disinfecting food processing facilities and for fruit and vegetable packaging, as well as poultry, meat, & seafood processing.

### FRUIT & VEGETABLE TREATMENTS

StorOx 2.0 • Broad Spectrum Bactericide/Fungicide

SaniDate 5.0 • Sanitizer/Disinfectant

SaniDate 12.0 • MicroBiocide

SaniDateFD • Antimicrobial

### SANITATION & DISINFECTION TREATMENTS

SaniDate 5.0 • Sanitizer/Disinfectant

SaniDate Ready to Use Hard Surface Sanitizer

SaniDate Sanitizing Wipes

StorOx 2.0 • Broad Spectrum Bactericide/Fungicide

### GENERAL CLEANING TREATMENTS

GreenClean Acid Cleaner

GreenClean Alkaline Cleaner

GreenClean Degreaser

GreenClean CIP Cleaner

GCPRO Oxidizer Treatment

### POST HARVEST EQUIPMENT

Prominent Monitoring & Dosing System

Test Strips Peracetic Acid & Hydrogen Peroxide

EMD Portable Analysis System

Spray Bar Dosing Systems

GoatThroat Dispensing Pumps

Dosatron Water Powered Dosing Systems

HydroDose Injection System

SmartFog Humidification/Fumigation Systems

FogTunnel Produce Treatment System

BioFogger

BioFoamer Portable Tank Foamer

PortaFoamer

BioMat Boot Sanitation Pad



For more information on our food safety programs visit [www.biosafesystems.com](http://www.biosafesystems.com).





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