



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

January 6, 2017

Donna Bishel  
Director of Regulatory Affairs  
BioSafe Systems, LLC  
22 Meadow Street  
East Hartford, CT 06108

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – adding foliar spray directions for use, adding alternate brand name PerCarb, moving horticultural site to sublabel B, revision of storage and disposal, and additional optional claims  
Product Name: GC Pro  
EPA Registration Number: 70299-15  
Application Date: 11/15/2016  
OPP Decision Number: 523828

Dear Ms. Bishel:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

At this time, the U.S. Environmental Protection Agency (EPA) is not requiring a change to the restricted-entry interval (REI) of 0 hour as it appears on your labeling in the Agricultural Use Requirements Box. The EPA is currently developing guidance and criteria for when it will allow a REI of less than 4 hours and might require a change to the REI for this product in the future. The alternate brand name “PerCarb” has been added to the registration, and our records have been updated accordingly. This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S.

Page 2 of 2  
EPA Reg. No. 70299-15  
OPP Decision No. 523828

Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Cody Kendrick by phone at (703) 347-0468 or via email at [kendrick.cody@epa.gov](mailto:kendrick.cody@epa.gov).

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is fluid and cursive, with the first name "Andrew" and last name "Bryceland" clearly legible.

Andrew Bryceland, Team Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure

# GC Pro

**A C C E P T E D**

01/06/2017

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 70299-15

*(Alternate Brand Names: GreenCleanMAX, GreenClean PRO, TerraCyte Pro  
Algaecide/Fungicide, Oxybact Bactericide/Fungicide, PerCarb)*

## MASTER LABEL

**Sublabel A: Aquatic and Agricultural/Horticultural-Uses**  
**Sublabel B: Horticultural, Turf, Turf Equipment and Tools, and  
Container-Grown Plant Applications**  
**Sublabel C: Swimming Pool, Hot Tub and Whirlpool Applications**

- For indoor or outdoor uses.

**Active Ingredient:**

Sodium Carbonate Peroxyhydrate\* ..... 85.00%

**Other Ingredients:** ..... 15.00%

**Total:** ..... 100.00%

\*Contains 27.60% Hydrogen Peroxide by weight.

**EPA Registration No.** 70299-15

**Batch Code** \_\_\_\_\_

**EPA Establishment No.** 72797-AL-001, 067441-IL-001, 089546-NV-001

**Manufactured by:**

BioSafe Systems, LLC

22 Meadow Street

East Hartford, CT 06108

Tel.: (888) 273-3088

**Sublabel A: Aquatic and Agricultural/Horticultural Uses**

# GC Pro

- Bactericide
- Fungicide
- Algaecide
- For indoor or outdoor uses.

**Active Ingredient:**

Sodium Carbonate Peroxyhydrate\* ..... 85.00%

**Other Ingredients:** ..... 15.00%

**Total:** ..... 100.00%

\*Contains 27.60% Hydrogen Peroxide by weight.

**KEEP OUT OF REACH OF CHILDREN  
DANGER – PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 – 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN</b>	
Probable mucosal damage may contraindicate the use of gastric lavage.	

See (inside)(back)(side)(panel)(label) for additional precautionary statements and directions for use.

**EPA Registration No.** 70299-15

**Batch Code** \_\_\_\_\_

**EPA Establishment No.** 72797-AL-001, 067441-IL-001, 089546-NV-001

**Manufactured by:**

BioSafe Systems, LLC

22 Meadow Street, East Hartford, CT 06108

Tel.: (888) 273-3088

**Net Contents:** 20, 50 lbs.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER: Corrosive.** Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Handlers who may be exposed to the dilute through application or other tasks must wear: long-sleeved shirt and long pants, and shoes plus socks. Handlers who may be exposed to the concentrate through mixing, loading, application, or other tasks must wear: coveralls over long-sleeved shirt and long pants, rubber gloves, chemical resistant footwear plus socks, and protective eyewear (goggles or face shield). Follow manufacturer's instructions for cleaning / maintaining PPE. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### USER SAFETY RECOMMENDATIONS: Users should:

- Wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet,
- Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds. This product is highly toxic to bees and other beneficial insects exposed to direct contact on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Do not apply this product or allow it to drift to crops where beneficials are part of an integrated pest management strategy. Do not use near waterbody margins during amphibian breeding seasons.

### PHYSICAL AND CHEMICAL HAZARDS

Strong oxidizing agent. **Corrosive.** Do not bring in contact with other pesticides, cleaners or oxidative agents.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the state or tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about Personal Protective

Equipment (PPE), notification to workers, and Restricted-Entry Interval (REI). The requirements in this box only apply to the uses of this product that are covered by the Worker Protection Standard.

For enclosed environments:

There is a restricted entry of one (1) hour for this product when applied via fogging or spraying to growing plants, surfaces, equipment, structures and non-porous surfaces in enclosed environments such as glasshouses and greenhouses. PPE requirement for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is coveralls worn over long-sleeved shirt and pants, waterproof gloves and shoes plus socks.

There is a restricted entry of zero (0) hours for pre-plant dip, seed treatment, soil drench, mop, sponge, dip, soak, rinse or other non-spraying or non-fogging application methods when used in enclosed environments such as glasshouses and greenhouses.

For field applications:

Keep unprotected persons out of treated areas until sprays have dried or dusts have settled.

---

**Non-Agricultural Use Requirements**

The requirements in this box apply to uses of this product that are **not** within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried or dusts have settled.

This product is not intended as treatment against any public health organism for any use on this label.

Do not apply directly to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

Do not allow spray to drift from the application site and contact people or structures that people occupy.

***FOR USE IN THE FOLLOWING WATER SITES:***

Ponds, Lakes, Lagoons, Fish Ponds, Water Gardens, Stock Tanks, Livestock Watering Ponds, Watering Troughs, Livestock Watering Systems, Packinghouse Process Water Systems, Golf Course Ponds, Industrial/Commercial Ponds, Impounded Waters, Standing Water, Bilge Water, Reservoir Water, Waterways, Storm Waters, Drainage Systems, Conveyance Ditches, Canals, Laterals, Drainage Systems, Irrigation Systems, Irrigation Ponds, Catch Basins, Flooded Areas, Sewage Systems, Sewage Lagoons, Wastewater, Drain Fields, Fire Ponds, Non-potable Watering Tanks, Non-potable Watering Systems, Storage Tanks, Non-potable Water Collectors and Domestic/Commercial Waters, Non-Chlorinated Swimming Areas, Rice Paddies and Fields

***FOR USE ON THE FOLLOWING NON-PAINTED SURFACES:***

Floors, Walkways, Storage Areas, Patios, Decks, Railings, Roofs, Farm Equipment, Post Harvest Equipment, Tools, Harvesting Equipment, Turf Equipment, Metal Structures, Greenhouse/Nursery Walkways, Industrial/Commercial Facility Walkways, Floors, Walls, Greenhouse Benches, Fan Blades, Vats, Tanks, Coolers, Storage Rooms, Bins, Elevators, Storage Areas, Spray Equipment, Conveyors, Irrigation Systems, Asphalt Shingles, Siding, Fiberglass, Boats, Piers, Docks, Stairs, Ramps, Ground Cover Mats, Weed Control Mats,

Animal Bedding and Litter, Concrete, Brick, Tile, Slate, Granite, Statues/Monuments, Outdoor Furniture, Tennis Courts (non-grass), Nursery Yards, Shorelines, Gravel, Dirt Floors, Under Benches, and Other Non-Painted Surfaces

***AGRICULTURAL USES:***

Agricultural Commodities and Crops, Field Grown Crops, Tree Crops, Crops Grown in Commercial Greenhouses and Plastic Houses

**WATER TREATMENT**

Use GC Pro to treat, control, and prevent a broad spectrum of filamentous and planktonic blue-green algae, bacteria, and fungus. Effects of treatment are immediately apparent (bubbling, bleaching/discoloration of algae or fungus, floating of dead organic matter). Waters treated with GC Pro are permissible to be used without interruption.

**APPLICATION RATES**

**Measuring GC PRO**

One pound of granules is equivalent to one pound of tablets.

- 1.0 lb. of GC Pro = 11 Scoops
- 1.0 Tbs. of GC Pro = 1/3 Scoop
- 1.0 tsp. of GC Pro = 1/10 Scoop

**Optional Chart**

Number of Pounds	Number of Scoops
1	11
2	22

**FOR STOCK TANKS AND LIVESTOCK WATER:**

Use GC Pro to suppress / control algae, bacteria and fungi in stock tanks, stock watering ponds, tanks and troughs, and livestock water. Apply 2 to 10 tablespoons per thousand gallons of water. Product can be simply added to the body of water, for even distribution throughout the water column. Apply GC Pro as needed to control and prevent algae growth; make applications more frequently in times of higher water temperatures.

**FOR AGRICULTURAL SPRAY IRRIGATION WATER, IRRIGATION PONDS, DRAINAGE WATER AND DITCHES:**

Use GC Pro to suppress / control algae, bacteria and fungi in agricultural irrigation waters, irrigation ponds and drainage water and ditches. Apply 2 to 10 tablespoons per thousand gallons of water. Product can be simply added to the body of water, for even distribution throughout the water column.

**FOR SEWAGE WATER TREATMENT:**

Use GC Pro for the control of bacteria and malodors caused by hydrogen sulfide gas. Apply 50-250 lbs. of GC Pro per million gallons of water. For lagoons, wait 24 hours before adding beneficial bacteria.



**FOR ALGAE CONTROL IN RICE/ WILD RICE FIELDS AND PADDIES:**

After the field has been flooded to a depth of 4-6 inches, apply 10-25 lbs. of GC Pro per acre as a broadcast or aerial spread by plane or other professional device at the first signs of algae. Applications are most effective when made before algae rises to the water surface. Reapply as needed in accordance with General Treatment Notes.

**DETERMINING WATER VOLUME**

Measure length (L), width (W), and average depth (D) in feet (ft) or meters (m) and calculate volume using one of the following formulas:

Square/Rectangular:

$L(\text{ft}) \times W(\text{ft}) \times D(\text{ft}) \times 7.5 = \text{Gallons}$   
 $L(\text{m}) \times W(\text{m}) \times D(\text{m}) \times 1000 = \text{Liters}$

Circular/Elliptical:

$L(\text{ft}) \times W(\text{ft}) \times D(\text{ft}) \times 5.9 = \text{Gallons}$   
 $L(\text{m}) \times W(\text{m}) \times D(\text{m}) \times 786 = \text{Liters}$

1 acre-foot of water =

- water measuring 208.7 ft long x 208.7 ft wide x 1 ft deep
- 43,560 cubic feet
- 325,851 gallons
- 2,780,000 pounds

$$\frac{\text{Avg. Length (ft)} \times \text{Avg. Width (ft)} \times \text{Avg. Depth (ft)}}{43,560} = \text{acre-feet of water}$$

$$\frac{\text{Avg. Length (ft)} \times \text{Avg. Width (ft)}}{43,560} = \text{acres}$$

**APPLICATION RATES**

**Measuring GC PRO**

One pound of granules is equivalent to one pound of tablets.

**Full Water Volume Rates:**

	<b>HEAVY ALGAE GROWTH</b>	<b>LOW ALGAE GROWTH / MAINTENANCE</b>
GRANULAR/TABLETS: Lg. Volume	<b>50-300 pounds</b> of GC Pro per million gallons of water. - or - <b>20-100 pounds</b> of GC Pro per acre-foot of water.	<b>5-30 pounds</b> of GC Pro per million gallons of water. - or - <b>2-10 pounds</b> of GC Pro per acre-foot of water.
For example: Lakes, ponds, lagoons		
GRANULAR/TABLETS: Sm. Volume	<b>2-10 tablespoons</b> of GC Pro per 1,000 gallons of water. (16 Tbs. = 1 Cup) (2 Cups = 1 lb.)	<b>1-3 teaspoons</b> of GC Pro per 1,000 gallons of water. (3 tsp. = 1 Tbs.)
For example: Indoor or outdoor water gardens, fountains, ornamental waterfalls		



**Surface Water Volume Only Rates:**

Apply GC Pro to the top surface of the water for treatment of suspended and free-floating algae mats and blooms.

	<b>HEAVY ALGAE GROWTH</b>	<b>LOW ALGAE GROWTH / MAINTENANCE</b>
GRANULAR/TABLETS:	<b>20- 100 pounds</b> of GC Pro per acre-foot of water.	<b>2-10 pounds</b> of GC Pro per acre-foot of water.
LIQUID:	<u>Solution Preparation:</u>	
	Due to solubility limitations, use at least 1 gallon of water to fully dissolve each 0.5 pounds of GC Pro.	
	Dissolution of GC Pro in cold water takes approximately 5 minutes.	
	<u>Treatment Rates:</u>	
	Use the same rates as the granular/tablets application given above.	

**APPLICATION METHODS**

When using an aerator to treat an entire water body, dose GC Pro at the edges of the aerator turbulence, or in the turbulence created by running the aerator to facilitate rapid and adequate mixing.

**SPREADING / BROADCASTING:**

Broadcast GC Pro with a mechanical spreader or by hand, directly on the water surface, from shore or a boat equipped with a spreader.

**SPOT TREATMENT:**

Apply GC Pro directly over algae covered area. Retreat when heavy growth occurs.

**LIQUID:**

Make a solution with GC Pro (refer to liquid application rates). Spray this solution on the water surface from shore or a boat equipped with aquatic spray equipment. If using slurry, agitate constantly.

**INJECTION:**

Make a solution with GC Pro (refer to liquid application rates). Inject this solution into the water via a piping system.

**SUBSURFACE:**

Place GC Pro in burlap bags and drag through the water alongside or behind a boat. Use granular/tablets application rates. Begin treatment along the shoreline, and proceed outward. Ensure the path of the boat will allow an even distribution of product. Continue dragging until all GC Pro is dissolved.

**AERIAL:**

Apply directly to water surface using conventional aerial application equipment. Avoiding spray drift at the application site is the responsibility of the applicator. The interactions of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all these factors when making decisions regarding application of this product.

## **GENERAL TREATMENT NOTES**

- Control is most easily achieved when algae are not yet well established. Treat when growth first begins to appear. This is especially important in the prevention of clogged irrigation systems, pumps, filters etc.
- Apply early in the day under calm, sunny conditions, and when water temperatures are warm. Sunlight and higher temperatures both enhance GC Pro activity.
- Apply in a manner that will insure even distribution of GC Pro within the treatment area, while increasing rates in areas of heavier algae density.
- Break up any heavy floating algae mats before or during application.
- Skim any dead algae and organic matter that rises to the water's surface after treatment. Allowing dead organics to sink and decay will provide a food source and additional nutrients that stimulate algae re-growth and further blooms.
- If using in conjunction with other water additives (such as bacteria or enzymes), always apply GC Pro first and wait several hours before adding any other products.
- Re-treat areas if re-growth begins to appear. Allow 48 hours between consecutive treatments.
- In regions where water freezes in the winter, treatment with GC Pro (including skimming) 6-8 weeks before expected freeze will help prevent masses of decaying algae under the ice cover.
- After application, do not allow undiluted granules/tablets to remain in an area where humans or animals are exposed.
- Non-target plants will suffer contact burn if undiluted granules/tablets are accidentally spilled on them. Do not apply in such a way that the concentrated product comes in contact with grass, ornamentals and other foliage.
- Do not tank mix with aquatic herbicides or algaecides containing copper or bromides. Always apply GC Pro at least one day prior to the application of these products.
- 100 pounds of GC Pro per million gallons of water = 4ppm of sodium.
- Wait 24 hours before treating lagoons with beneficial bacteria.

## **EFFECTIVENESS FACTORS**

- Effects of GC Pro treatment are immediately apparent (bubbling, bleaching/discoloration of algae, floating dead organic matter).
- GC Pro treatments are successful when the product makes contact with the algae.
- Liquid applications will not sink through the water column as readily as a granular/tablet application.
- When treating surface mats and blooms, it is possible that GC Pro will not penetrate the water column below the infested area, and a second application is then required for treating any bottom growing algae.
- Apply more often during the summer months when water temperatures are high.

## **FOR TREATMENT OF RAW, UNPROCESSED FRUIT AND VEGETABLE SURFACES**

Use GC Pro to control the growth of non-public health microorganisms and plant pathogens that may cause decay and/or spoilage on raw, post-harvest fruit and vegetables during the post harvest washing process. This product can be applied to packing house process waters in spray systems, wash tanks, dip tanks, dump tanks, drench tanks, evaporators, humidification systems, hydro coolers, and storage tanks.

## **APPLICATION RATES**

### **Measuring GC Pro**

One pound of granules is equivalent to one pound of tablets.

	<b>Contaminated Water - TREATMENT</b>	<b>Clean Water / MAINTENANCE</b>
GRANULAR/TABLETS: Lg. Volume	<b>2 pounds</b> of GC Pro per 1,000 gallons of water.  (2 Cups = 1 lb.)	<b>1 pound</b> of GC Pro per 1,000 gallons of water.  (2 Cups = 1 lb.)

### **FOR TREATMENT OF WATER IN DUMP TANKS, DIP TANKS, DRENCH TANKS, EVAPORATORS, HYDRO COOLERS, HUMIDIFICATION SYSTEMS, STORAGE TANKS AND SPRAY SYSTEMS ON PACKINGHOUSE LINES AND POST HARVEST APPLICATIONS:**

Use GC Pro to treat water containing plant pathogens and spoilage and decay-causing organisms on post-harvest fruits and vegetables. Applicable for use on raw, unprocessed agricultural fruits and vegetables. (See specific directions for treatment of post-harvest potatoes).

- 1) Add 0.1 lbs. of GC Pro for every 100 gallons of water.
- 2) For waters that contain biological and organic loading add 0.2 lbs. of GC Pro for every 100 gallons of water.

For best results, where dump tanks are used, make post harvest spray treatment as fruit is leaving dump tanks.

**Note:** In dump tanks that contain squash, or other commodities with sensitive skin, use 0.1 lbs. GC Pro per 100 gallons of water to prevent oxidation of abrasions that will turn brown.

### **FOR MANUAL POST-HARVEST SPRAY TREATMENT:**

Use GC Pro to control the growth of decay and/or spoilage non-public health microorganisms on raw, unprocessed agricultural fruits and vegetables. Mix 1 tsp. of GC Pro per gallon of clean water. Spray fruit or vegetables to runoff using hydraulic, backpack, air-assisted or other similar sprayers or foamers.

### **FOR POST-HARVEST TREATMENTS ON POTATOES:**

Spray potatoes prior to storage for the control of Bacteria Soft Rot, Early Blight, Fusarium Tuber Rot, Late Blight, and Silver Scurf. Apply at a rate of 0.1 to 0.3 lbs. GC Pro per 100 gallons. Spray diluted solution on tuber to runoff to achieve full and even coverage using ½ gallon of spray water per ton of potatoes to be treated. Do not treat seed potatoes.

Add GC Pro to water used in potato rinses, and associated tanks, flumes and lines on post-harvest potatoes prior to, during or after storage. Add 0.1 to 0.3 lbs. of GC Pro for every 100 gallons of water.

## SURFACE TREATMENT

Use GC Pro on all listed non-painted surfaces, to prevent and control algae, odor-causing bacteria, plant pathogens, moss, fungus, liverwort, molds, slime molds and their spores, and the odors and conditions that these organisms cause.

Use on surfaces and equipment: industrial/commercial facility walkways, greenhouse/nursery walkways, ground cloth, weed mats, floors, walls, on and under greenhouse benches, fan blades, watering systems, vats, tanks, coolers, storage rooms, bins, elevators, storage areas, spray equipment, conveyors, irrigation systems, trucks, and related equipment. Use in areas that promote slippery conditions and slip hazards caused by algae and slime molds.

## APPLICATION INSTRUCTIONS

**POTS, FLATS, TRAYS AND CUTTING TOOLS:** Use GC Pro to suppress / control the spread of plant pathogens, fungi and slime forming algae. Use ¼ lb. of GC Pro per gallon of clean water. Spray equipment thoroughly or soak tools to ensure complete coverage.

**BENCHES AND WORK AREAS:** Sweep and remove all plant debris. Use a power sprayer to wash all surfaces to remove loose dirt. Use ¼ lb. of GC Pro per gallon of clean water. Apply as a spray or foam ensuring complete coverage. Scrub to remove heavy growths of algae and fungi.

**DUMPSTER AND TRASH CAN TREATMENT:** Use GC Pro to suppress/control odor-causing bacteria in dumpsters and trash cans. Sprinkle 1/8 – 1/4 lb. of GC Pro per 125 sq. ft. of surface area into the bottom of empty dumpster. Make applications over a damp surface or moisten with water immediately after treatment.

**FOR HARD NON-POROUS, NON PAINTED SURFACES AND EQUIPMENT:** Use GC Pro at a rate of 0.5 lb. to 2 lbs. per 1000 square feet of area to be treated. Apply as granular/tablets, liquid or foam, following Application Instructions below.

### Measuring GC Pro

One pound of granules is equivalent to one pound of tablets.

### **GROUND/SURFACE RATES:**

	<b>HEAVY ALGAE GROWTH</b>	<b>LOW ALGAE GROWTH</b>
GRANULAR/TABLETS:	<b>1-2 pounds</b> of GC Pro per 1,000 square feet of area.	<b>0.5-1 pounds</b> of GC Pro per 1,000 square feet of area.
	(1 lb. = 2 cups)	(1 lb. = 2 cups)
	Make granular/tablets applications over a wet surface or activate with water immediately following application.	
LIQUID:	<u>Solution Preparation:</u>	
	Due to solubility limitations, it is necessary to use at least 1 gallon of water to fully dissolve each 0.5 pounds of GC Pro.	
	Dissolution of GC Pro in cold water takes approximately 5 minutes.	
	<u>Treatment Rates:</u>	

	Use the same rates as the granular/tablets application given above. Spray solution on the desired treatment surface.
FOAM:	<u>Solution Preparation:</u>
	Follow the Liquid solution preparation instructions above.
	Add 2.0 - 5.0 fluid ounces of an alkaline-based foam, such as BioSafe Systems "BioFoamer", per gallon of finished solution. Spray solution on the desired treatment surface.
	<u>Treatment Rates:</u>
	Use the same rates as the granular/liquid application given above.

**Animal Bedding and Litter Rates for Livestock Barns, Stalls, Poultry Houses and Holding Pens:**

LIQUID:	<u>Solution Preparation:</u> Due to solubility limitations, it is necessary to use at least 1 gallon of water to fully dissolve each 0.5 pounds of GC Pro.
	Dissolution of GC Pro in cold water takes approximately 5 minutes.
	<u>Treatment Rates:</u> Mix ½ lb. of GC Pro in one gallon of clean water. Spray mixed solution over bedding and/or litter to be treated. Repeat as necessary or every other day.
GRANULAR:	Incorporate GC Pro thoroughly into litter or bedding 3-5 days prior to animals being present. Apply at a rate of 6-10 lbs per 1,000 sq. ft. Apply higher application rates under water lines and inlets. Moisture will activate product.

**Application Via Foot Mats, Foot Pads, Walk Through Trays:**

LIQUID:	Apply GC Pro via foot mats, foot pads and walk through trays to prevent the tracking and spread of dirt, fungi, and slime-forming algae in greenhouses, nurseries, farms, aquaculture production facilities, fisheries, hatcheries, aquariums, zoos, kennels, and livestock barns.  <u>Solution Preparation:</u> Make a solution using ¼ - ½ lb. of GC Pro per gallon of water. Fill foot mat, food pad or walk through tray to capacity. Use the stronger rate for applications with heavy soil loading. Change solution as needed.
---------	---

**APPLICATION METHODS**

**SPREADING / BROADCASTING:**

Broadcast GC Pro with a mechanical spreader or by hand. A lawn spreader or any other applicator that will insure uniform coverage is acceptable.

**SPOT TREATMENT:**

Apply GC Pro directly over algae covered area. Retreat when heavy growth occurs.

**LIQUID:**

Make a solution with GC Pro (refer to liquid application rates for mixing instructions). Spray this solution on the desired treatment surface.

## FOAM:

Make a solution with GC Pro (refer to foam application rates for mixing instructions). Spray this solution on the desired treatment surface. Use a foamer, such as the BioSafe BioFoamer, to apply.

### **GENERAL TREATMENT NOTES**

- Control is most easily achieved when growth is not yet well established. Treat when growth first begins to appear.
- Apply in a manner that will insure even distribution of GC Pro within the treatment area.
- GC Pro is water activated. Watering before application is preferred over misting after application because it prevents over watering leading to a reduced effectiveness.
- When treating soil, gravel or other similar media, apply and incorporate GC Pro to an inch below the surface line, for optimum effectiveness.
- Apply GC Pro at maintenance rates every 5-7 days or as needed to control new or established conditions.
- After application, do not allow undiluted granules/tablets to remain in an area where humans or animals are exposed.
- Non-target plants will suffer contact burn if undiluted granules/tablets are accidentally spilled on them. Do not apply in such a way that the concentrated product comes in contact with grass, ornamentals and other foliage.
- Do not tank mix with aquatic herbicides or algacides containing copper or bromides. Always apply GC Pro at least one day prior to the application of these products.

### **SOIL SURFACES CONTAINING GROWING PLANTS**

Apply GC Pro to soil surfaces for the prevention and control of algae, moss, liverworts, slime molds and their spores. Use in containers and planters for ornamental plants.

#### **NURSERY CONTAINER PLANTS AND TREES:**

Use GC Pro on the soil surface of container-grown plants and trees. GC Pro works by surface contact.

#### **Granule Application:**

Make granular applications over dry surfaces at a rate of 8 – 10 lbs per 1,000 sq. ft. and activate with 0.1 – 0.2 inches of water per 1,000 sq. ft. immediately following application. Even coverage of the container's soil surface is required for this product to be effective.

For Curative Treatments: Evenly distribute GC Pro over the soil surface of plant container. Repeat on a weekly to bi-weekly basis.

<b>Pot Size</b>	<b>Rate of GC Pro</b>
8 inch	1/3 tsp.
10 inch	1/2 tsp.

For Follow-Up And Preventative Applications: Evenly distribute GC Pro over the surface of plant container. Repeat on a weekly to bi-weekly basis.

Pot Size	Rate of GC Pro
8 inch	1/8 tsp.
10 inch	1/6 tsp.

**Liquid Application:**

For Curative Treatments: Mix ½ lb. of GC Pro per gallon of water, spray at a rate of three gallons per 1,000 sq. ft. of plant area.

For Preventative Treatments: Mix ¼ lb. of GC Pro per gallon of water, spray at a rate of three gallons per 1,000 sq. ft. of plant area.

**Application Directions:**

**NOTE:** Do not apply any supplements to the soil to be treated containing elemental iron, manganese, zinc or biological agents 24 hours prior to the application of GC Pro.

1. Make a liquid solution by diluting ¼-½ lb. of GC Pro for each gallon of water. Spray evenly over entire container soil area to be treated. (Dissolution of GC Pro is faster in warm water).
2. Spray 3 gallons of solution per 1,000 sq. ft. of plant area.
3. Treat the entire area for best results.

**FOLIAR SPRAY TREATMENTS**

Use GC Pro as a contact foliar fungicide/bactericide to treat and control plant pathogenic diseases on field grown crops, tree crops, berries, small fruits, vine crops, or crops grown in similar sites.

GC Pro may be applied up to and including the day of harvest.

***[California Only Text:]*** Use GC Pro to treat and control specific plant diseases on the following crops:

- Carrots, Cucurbits, Grapes, Leafy Greens, and Strawberries: Powdery Mildew
- Fruiting Vegetables: Bacterial Leaf Spot
- Pome Fruit: Scab

**FOLIAR SPRAY APPLICATION INSTRUCTIONS:**

Apply as a foliar spray throughout the growing season on the listed crops and diseases.

Apply using backpack, hand-held, high volume, and boom or ground sprayer. For best results, use a properly calibrated sprayer or similar equipment. Check equipment, and calibrate frequently.

GC Pro works by surface contact with the plants and materials being treated. It is important to ensure that all surfaces are thoroughly wet. GC Pro does not produce a distinct odor or deleterious effects to plants when used in accordance with label directions. Do not use at stronger than recommended rates, as leaf burn may result.

Prepare a solution by mixing 0.25 – 0.75 lbs. (4-12 oz.) of GC Pro per 25 gallons of water (1-3 lbs. per 100 gallons of water). Use up to 400 gallons of spray solution per acre. For the most effective results, use enough volume of spray solution to obtain complete and uniform coverage of foliage and stems. Spray solution volume per acre will vary depending on crop type and stage of development.



GC Pro Dilution Rate lbs. / 25 gallons of water	Lbs. of GC Pro per Acre			
	Total Spray Volume (Gallons/Acre)			
	50	100	200	400
0.25	0.50	1	2	4
0.50	1.0	2	4	8
0.75	1.5	3	6	12
1.0 (Dormant Sprays Only)	2	4	8	16

**Note:**

For sensitive crops, such as spinach and swish chard, do not exceed concentrations greater than 1 lb. /100 gallon of water and increase spray frequency.

- Do not apply this product through any type of irrigation system.
- Do not apply directly to soil as a directed spray or drench.

**EARLY AND LATE DORMANT SPRAY APPLICATION INSTRUCTIONS:**

Use as a dormant spray for early and late season applications on tree nuts, tree fruits, small fruits, berries and vine crops prior to bud opening.

Prepare a solution by mixing 0.75 – 1.0 lbs. of GC Pro per 25 gallons of water (3-4 lbs. per 100 gallons of water). Use up to 400 gallons of spray solution per acre. For the most effective results, use enough volume of spray solution to obtain complete and uniform coverage.

[**Optional Text:** For dormant spray applications follow directions on the Crop and Diseases Application Chart.]

**APPLICATION TIMING:**

Begin preventative applications at low rates when conditions are favorable for disease development such as rainy weather or during periods of high relative humidity. Maintain a 7-10 day spray interval. Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.

**MIXING INSTRUCTIONS:**

GC Pro will go into solution with clean water at no more than ½ pound per gallon of water. Dissolution of GC Pro in cold water takes approximately 5 minutes, less in warm water. When mixing, fill the spray tank one-half full of water, add GC Pro slowly to the clean tank, while hydraulic and/or mechanical agitation is operating. The additions of any spreaders should be added only after they have been predetermined to be chemically compatible with GC Pro.

GC Pro works best when diluted with water containing low levels of organic or inorganic materials, and with water having a neutral pH. Thoroughly rinse out tank with water before mixing.

Before tank mixing with fertilizers, fungicides, or bactericides, conduct a compatibility test for each combination. Make a test solution and shake or stir vigorously. Excessive bubbling and/or pressure are indications of incompatibility.

Do not mix GC Pro with other products with an acidic pH. Do not adjust pH after mixing of product. Acidification of solution will cause reduced product performance.

GC Pro is a strong oxidizing agent and may react with residues of metal-based fungicides or supplements. Do not apply GC Pro as a foliar spray immediately following foliar applications of metal-based products. Allow at least 24 hrs. after application of metal-based products before applying GC Pro as a foliar spray. Check the label of the metal-based product prior to application for specific instructions for use with other fungicide products.

**Note:** Use spray solutions within in two hours of preparation, do not store and reuse mixed spray solution.

**Compatibility:**

GC Pro is compatible as a tank-mix with many commonly used pesticides, fertilizers, adjuvants and non-ionic surfactants but has not been fully evaluated with all of these. Do not tank mix GC Pro in spray tanks with pesticides, surfactants or fertilizers before conducting a compatibility test to show it is physically compatible, effective and non-injurious under your use conditions.

To ensure compatibility, evaluate them prior to use as follows: Using a suitable container, add proportional amounts of product to water. Add wettable powders first, followed by water dispersible granules, then by liquid flowables and lastly, emulsifiable concentrates. Mix thoroughly and let stand for at least five minutes. If the combination stays mixed or can be remixed, it is physically compatible. Excessive bubbling and/or pressure are indications of incompatibility. Test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application.

**PLANT SENSITIVITY TESTING:**

Be sure to use GC Pro at labeled dilutions as solutions more concentrated can result in leaf necrosis for some crops (i.e., do not use at concentrations greater than labeled rates). GC Pro provides a balanced source of the active ingredient directly to the plant surface. GC Pro has been used and tested on many varieties of plant material; however, the nature of the target plant, environmental conditions, plant vigor and the use of other pesticides can all affect plant sensitivity to GC Pro. Therefore, before treating large numbers of plants, test GC Pro on a few plants for sensitivity.

Application of GC Pro for curative control of obligate organisms living in the plant tissue (such as Downy and Powdery Mildew) can result in lesions on plant tissue. GC Pro will oxidize parasitic organisms living in plant tissue that are not always visible to the naked eye. Resulting oxidative effects can include spotting, or drying of the plant tissue where organisms inhabited tissue.

**FOR USE ON THE FOLLOWING CROPS:**

Asparagus

Berries: Blackberry, Blueberry, Cranberry, Raspberry

Bulb Vegetables: Garlic, Green Onions, Leeks, Onions, Scallions, Shallots

Cereal Grains & Commodities: Barley, Corn, Millet, Oats, Popcorn, Rice, Rye, Sorghum (Milo), Sweet Corn, Wheat, Wild Rice

Celery

Citrus Crops: Grapefruit, Kumquat, Lemon, Lime, Orange, Tangerine

Coffee

Cole Crops: Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Kale

Cotton

Cucurbit crops: Cucumber, Melons, Pumpkin, Squash

Forage and Fodder Crops: Alfalfa Hay, Clover, Trefoil, Lupine, Grasses

Fruiting Vegetables: Eggplant, Peppers, Tomatoes, Tomatillos  
 Globe artichokes  
 Grapes  
 Herbs and Spices: Basil, Chives, Cilantro, Coriander, Dill, Mint, Rosemary, Sage  
 Hops  
 Leafy Vegetables: Arugula, Celery, Chickory Root, Endive, Fennel, Lettuce, Spinach, Rhubarb, Radicchio, Swiss Chard  
 Legumes: Chick Peas, Dry Beans, Lima Beans, Peas, Snap Beans, Soybeans  
 Peanuts  
 Pome Fruits: Apples, Pears, Loquats, Mayhaws, Quince  
 Root & Tuber Vegetables: Artichokes, Beets, Carrots, Ginseng, Horseradish, Parsnip, Potatoes, Radish, Rutabaga, Sugar Beets, Sweet Potatoes, Taro, Turnips, Yams  
 Stone Fruits: Apricots, Cherries, Nectarines, Peaches, Plums, Prunes  
 Strawberries  
 Tobacco (field, float)  
 Tree Nuts: Almonds, Brazil Nuts, Cashews, Filberts, Macadamias, Pecans, Pistachios, Walnuts  
 Tropical Fruit: Casaba, Coconut, Dates, Guava, Kiwi, Mango, Passion Fruit, Papaya, Pineapple Poi, Star Fruit

**DISEASES CONTROLLED:**

Alternaria Blight, Anthracnose, Blackspot, Botrytis Blight, Fungal Leaf Spots and Blights, Downy Mildew, Monilinia Fruit and Blossom Rot, Phomopsis Blight, Powdery Mildew, Rusts, Scab, Bacterial Leaf Spots and Blights caused by Pseudomonas spp. and Xanthomonas spp.

**[Optional Chart]**

**Crops and Diseases Application Chart  
(Alphabetical by Crop Grouping)**

<b>Crops</b>	<b>Disease(s)</b>	<b>Rate - lbs./100 gallons of water</b>	<b>Directions</b>
<b>Asparagus</b>	Asparagus Rust	Foliar 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.
<b>Berries:</b> Blackberry Blueberry Cranberry Raspberry	Alternaria Botrytis Downy Mildew Mummy Berry Leaf Blight	Foliar: 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.

	Powdery Mildew Fruit Rot Rust		Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.
		Dormant: 3-4 lbs.	Apply in early and late dormancy prior to bud break.  Do not apply to blooming crops.
<b>Bulb Vegetables:</b> Garlic Green Onions Leeks Onions Scallions Shallots	Alternaria Leaf Blight Bacterial Leaf Blight Botrytis Rot Downy Mildew Powdery Mildew	Foliar: 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.
<b>Cereal Grains &amp; Commodities:</b> Barley Corn (field) Millet Oats Popcorn Rice Rye Sorghum (Milo) Soybeans Sweet Corn Wheat Wild Rice	Anthracnose Bacterial Leaf Blight Blast Brown Leaf Spot Common Rust Common Smut Downey Mildew Leaf Smut Sheath Blight	Foliar: 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.
<b>Citrus Crops:</b>  Citrus Hybrids Grapefruit Kumquat Lemon Lime Orange Tangerine	Alternaria Anthracnose Brown Rot Citrus Canker Powdery Mildew Rust Scab	Foliar: 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.
		Dormant: 3-4 lbs.	Apply in early and late dormancy prior to bud break.  Do not apply to blooming crops.
<b>Coffee</b>	Bacterial Blight Leaf Rust	Foliar: 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.

<b>Cole Crops:</b> Broccoli Brussels Sprouts Cabbage Cauliflower Collards Kale	Black Rot Downy Mildew Powdery Mildew	Foliar: 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.
<b>Cotton</b>	Angular Leaf Spot	Foliar: 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.
<b>Cucurbit crops:</b> Cucumber Melons Pumpkin Squash	Alternaria leaf spot Anthracnose Downy Mildew Gummy Stem Blight Leaf Spot Powdery Mildew	Foliar: 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.

<b>Forage and Fodder Crops:</b> Alfalfa Hay Clover Trefoil Lupine Grasses	Cerospora Leaf Spot	Foliar: 1-3 lbs.	<p>Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.</p> <p>Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.</p>
<b>Fruiting Vegetables:</b> Eggplant Peppers Tomatoes Tomatillos	Anthracnose Bacterial Spot Bacterial Speck Early Blight Late Blight	Foliar: 1-3 lbs.	<p>Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.</p> <p>Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.</p>
<b>Globe Artichokes</b>	Black Rot Botrytis Blight / Grey Mold Crown Rot Powdery Mildew	Foliar: 1-3 lbs.	<p>Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.</p> <p>Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.</p>
<b>Grapes</b>	Botrytis Downy Mildew Powdery Mildew	Foliar: 1-3 lbs.	<p>Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.</p> <p>Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.</p>
		Dormant: 3-4 lbs.	Apply in early and late dormancy prior to bud break. Do not apply to blooming crops.
<b>Herbs and Spices:</b> Basil Chives Cilantro Coriander Dill Mint Rosemary Sage	Anthracnose Downy Mildew Powdery Mildew	Foliar: 1-3lbs.	<p><b>Special Note:</b>          For sensitive crops do not exceed concentrations greater than 1 lbs/100 gallons of water and increase spray frequency</p> <p>Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.</p> <p>Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.</p>

<b>Hops</b>	Downy Mildew Powdery Mildew	Foliar: 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.
<b>Leafy Vegetables:</b> Arugula Celery Chickory Root Endive Fennel Lettuce Spinach Rhubarb Radicchio Swiss Chard	Downy Mildew Early Blight Powdery Mildew	Foliar: 1-2 lbs.	<b>Special Note:</b> For sensitive crops do not exceed concentrations greater than 1 lbs/100 gallons of water and increase spray frequency  Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.
<b>Legumes:</b> Chick Peas Dry Beans Lima Beans Peas Snap Beans Soybeans	Anthrachnose Bacterial Blight Powdery Mildew Rust White Mold	Foliar 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.
<b>Peanuts</b>	Rust Leaf Spot	Foliar: 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.



<b>Pome Fruits:</b> Apples Pears Loquats Mayhaws Quince	Flyspeck Powdery Mildew Rusts Scab Sooty Mold	Foliar: 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.
		Dormant: 3-4 lbs.	Apply in early and late dormancy prior to bud break. Do not apply to blooming crops
<b>Root &amp; Tuber Vegetables:</b> Artichokes Beets Carrots Ginseng Horseradish Parsnip Potatoes Radish Rutabaga Sugar Beets Sweet Potatoes Taro Turnips Yams	Alternaria Leaf Spot/Blight Bacterial Leaf Spot/Blight Early Blight Late Blight Leaf Spot Powdery Mildew Potato Brown Rot White Mold	Foliar: 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.
		Dormant: 3-4 lbs.	Apply in early and late dormancy prior to bud break. Do not apply to blooming crops
<b>Stone Fruits:</b> Apricots Cherries Nectarines Peaches Plums Prunes	Botrytis Blight Brown Rot / Blossom Blight Cherry Leaf Spot Leaf Spot Powdery Mildew Rust Scab	Foliar 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.
		Dormant: 3-4 lbs.	Apply in early and late dormancy prior to bud break. Do not apply to blooming crops

<b>Strawberries</b>	Anthracnose Angular Leaf Spot Botrytis/Fruit Rot Powdery Mildew	Foliar 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.
<b>Tobacco (Field/Float Beds)</b>	Blue Mold	Foliar 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.
<b>Tree Nuts:</b> Almonds Brazil Nuts Cashews Filberts Macadamias Pecans Pistachios Walnuts	Alternaria Leaf Spot / Blight Anthracnose Brown Rot Bacterial Blight Bacterial Canker Jacket Rot Walnut Blight Leaf Spot Leaf Blight Filbert Blight Powdery Mildew Botryosphaeria Blight Phomopsis Blight Rust Scab	Foliar 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.
		Dormant: 3-4 lbs.	Apply in early and late dormancy prior to bud break. Do not apply to blooming crops
<b>Tropical Fruit:</b> Avocado Casaba Coconut Dates Guava Kiwi Mango Papaya Passion Fruit Poi Star Fruit	Alternaria Anthracnose Bacterial Leaf Spot Black Spot Leaf Blight Powdery Mildew Sooty Mold	Foliar: 1-3 lbs.	Begin preventative applications at low rates when conditions are favorable for disease development. Maintain a 7-10 day spray interval.  Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in original container in a cool, well-vented area, away from direct sunlight. Do not allow product to become overheated in storage. This may cause increased degradation of the product, which will decrease product effectiveness. In case of spill, flood area with large quantities of water. Do not store in a manner where cross-contamination with other pesticides or fertilizers could occur.

**PESTICIDE HANDLING:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited. If wastes cannot be disposed of according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

#### **CONTAINER HANDLING:**

**Plastic Containers, All sizes:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and reclose. Shake or stir for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Puncture and dispose of in sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke

**50 lb Bags/Sacks:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty sack [bag] into application equipment. Then dispose of empty sack [bag] in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. To the extent consistent with applicable law, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of BIOSAFE SYSTEMS LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold BIOSAFE SYSTEMS and Seller harmless for any claims relating to such factors.

BIOSAFE SYSTEMS warrants that this product conforms to the *chemical* description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above when used in accordance with directions under normal use conditions. To the extent consistent with applicable law, this warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or BIOSAFE SYSTEMS, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BIOSAFE SYSTEMS MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, in no event shall BIOSAFE SYSTEMS or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF BIOSAFE SYSTEMS AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF BIOSAFE SYSTEMS OR SELLER, THE REPLACEMENT OF THE PRODUCT.

BIOSAFE SYSTEMS and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of BIOSAFE SYSTEMS.



**NSF/ANSI Standard 60 Certified for Drinking Water**

## OPTIONAL LABEL CLAIMS:

- Algaecide
- Fungicide
- Bactericide
- Oxidizer
- Granular
- Tablets
- Algaecide/Fungicide
- Broad Spectrum
- Broad Spectrum Algaecide/Fungicide
- Broad Spectrum Bactericide/Fungicide
- Broad Spectrum Algaecide/Fungicide/Bactericide
- Foliar Fungicide/Bactericide
- For indoor or outdoor uses.
- Preventative treatment for seeds, growing plants, fruits, nuts and vegetables.
- Treatment for Powdery Mildew and Downy Mildew
- A treatment for the prevention and control of plant pathogenic diseases in field grown crops.
- A post harvest treatment for the prevention and control of plant pathogenic diseases on all fruits, vegetables, and agricultural crops and commodities listed on this label in dump tanks, hydro coolers and process waters.
- A treatment for the prevention and control of plant pathogenic diseases on surfaces and equipment and structures used in processing post-harvest commodities.
- Treats/controls algae & cyanobacteria.
- Preventative treatment for postharvest fruits, vegetables and other agricultural crops listed on this label.
- A treatment for the prevention and control of plant pathogenic diseases on crops after harvest.
- A treatment for the prevention and control of plant pathogenic diseases on surfaces and equipment and structures used in processing postharvest commodities.
- A treatment for the prevention and suppression / control of plant pathogenic diseases in Commercial Greenhouses, Garden Centers, Landscapes, Nurseries and Interiorscapes.
- A treatment for the prevention and control of algae & cyanobacteria in rice and wild rice fields/paddies.
- Removes stubborn algae from surfaces, equipment and structures.
- Removes algae from roofs, walkways, and decks.
- A treatment for the control of algae, liverwort(s), odor-causing bacteria and fungus on surfaces, equipment and structures.
- Treats/controls algae, liverwort(s), bacteria and fungus.
- Controls odors caused by bacterial decay of organic matter.
- Adds oxygen to the water column.
- Treats, controls, and prevents algae growth.
- Eliminates algae.
- Adds oxygen to the water as it works.
- Easy to use.
- Effective over a wide range of pH conditions.

- Reduces organic build-up
- Reduces noxious odors including hydrogen sulfide.
- Controls algae blooms.
- Use GC Pro as an integral part of your water management system.
- Use GC Pro in conjunction with the family of BioSafe Systems products as part of a comprehensive treatment program.
- Maintain an algae free pond with GC Pro.
- Dumpster and trash can treatment.
- Effective moss (and liverwort) control.
- Eliminate liverwort(s), moss and algae from container-grown plants and trees.
- Granular Algaecide
  - Can be used up to the day of harvest.
  - For foliar control of bacterial and fungal plant diseases
  - For use on fruits, vegetables, nuts, and agronomic crops

**Sublabel B: Horticulture, Turf, Turf Equipment and Tools, and Container-Grown Plant Applications**

# GC Pro

- Controls and suppresses algae, moss, liverwort(s), bacterial and fungal diseases on turf
- For use on turf grass and in container-grown plants

**Active Ingredient:**

Sodium Carbonate Peroxyhydrate\* ..... 85.00%

**Other Ingredients:** ..... 15.00%

**Total:** ..... 100.00%

\*Contains 27.60% Hydrogen Peroxide by weight.

**KEEP OUT OF REACH OF CHILDREN  
DANGER – PELIGRO**

*Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)*

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 – 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN</b>	
Probable mucosal damage may contraindicate the use of gastric lavage.	

See (inside)(back)(side)(panel)(label) for additional precautionary statements and directions for use.

**EPA Registration No.** 70299-15

**Batch Code** \_\_\_\_\_

**EPA Establishment No.** 72797-AL-001, 067441-IL-001, 089546-NV-001

**Manufactured by:**

BioSafe Systems, LLC  
22 Meadow Street, East Hartford, CT 06108  
Tel.: (888) 273-3088

**Net Contents:** 20, 50 lbs.



## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER: Corrosive.** Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Handlers who may be exposed to the dilute through application or other tasks must wear: long-sleeved shirt and long pants, and shoes plus socks. Handlers who may be exposed to the concentrate through mixing, loading, application, or other tasks must wear: coveralls over long-sleeved shirt and long pants, rubber gloves, chemical resistant footwear plus socks, and protective eyewear (goggles or face shield). Follow manufacturer's instructions for cleaning / maintaining PPE. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### USER SAFETY RECOMMENDATIONS:

Users should:

- Wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet,
- Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds. This product is highly toxic to bees and other beneficial insects exposed to direct contact on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Do not apply this product or allow it to drift to crops where beneficials are part of an integrated pest management strategy. Do not contaminate water when disposing of equipment washwaters or rinsate. Do not use near waterbody margins during amphibian breeding seasons.

### PHYSICAL AND CHEMICAL HAZARDS

Strong oxidizing agent. **Corrosive.** Do not bring in contact with other pesticides, cleaners or oxidative agents.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the state or tribal agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about Personal Protective

Equipment (PPE), notification to workers, and Restricted-Entry Interval (REI). The requirements in this box only apply to the uses of this product that are covered by the Worker Protection Standard.

For enclosed environments:

There is a restricted entry of one (1) hour for this product when applied via fogging or spraying to growing plants, surfaces, equipment, structures and non-porous surfaces in enclosed environments such as glasshouses and greenhouses. PPE requirement for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is coveralls worn over long-sleeved shirt and pants, waterproof gloves and shoes plus socks.

There is a restricted entry of zero (0) hours for pre-plant dip, seed treatment, soil drench, mop, sponge, dip, soak, rinse or other non-spraying or non-fogging application methods when used in enclosed environments such as glasshouses and greenhouses.

For field applications:

Keep unprotected persons out of treated areas until sprays have dried or dusts have settled.

**Non-Agricultural Use Requirements**

The requirements in this box apply to uses of this product that are **not** within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried or dusts have settled.

Do not allow spray to drift from the application site and contact people or structures that people occupy.

**FOR USE ON TURF GRASSES:**

Apply GC Pro to well-established lawns (at least one growing season old), golf course fairways, greens, and tees to control / suppress algae, moss, liverwort(s), bacterial and fungal diseases on turf, and the conditions that these organisms may cause. The best time of year to apply GC Pro for curative applications is either the spring or fall when temperatures are 50°F or above. During summer months, use GC Pro for spot treatments.

**APPLICATION RATES**

**Measuring GC PRO**

One pound of granules is equivalent to one pound of tablets.

Number of Pounds	Number of Scoops
1	11
2	22

**ALGAE, MOSS AND SLIME MOLD TREATMENT:**

Use GC Pro for the prevention and control of algae, fungi, moss, slime molds and their spores on turf and golf greens.

### **Liquid Application Directions**

1. Prior to treatment with GC Pro, cut grass or verticut with groomer.
2. Apply GC Pro at the rate of ½ lb. per gallon of water. Use 3 gallons of spray solution per 1000 sq. ft. of turf grass. Apply immediately after mixing.
3. Apply early in day, when the area will receive full sun.
4. Treat the entire turf area.
5. Do not apply any supplements containing elemental iron, manganese, zinc or biological agents 24 hours prior to the application of GC Pro.
6. Apply preventive treatments using ¼ pound per gallon of water using 3 gallons of spray solution per 1000 sq. ft. of turf grass.

### **Granular Application Directions**

Apply GC Pro to well-established (at least one growing season old), lawns, golf course fairways, greens and tees for the prevention and control of algae, moss, slime molds and their spores. GC Pro is activated by moisture and must be watered immediately in after application.

The best time to apply GC Pro for curative applications is either the spring or fall when temperatures are 50°F or above. Apply GC Pro to well-established lawns, golf course fairways, greens, and tees at a rate of 6 pounds per 1,000 square feet. When using a drop spreader, uniform coverage is essential for best results (see Tables 3, 4, and 5 for spreader settings). Do not overlap. If applying on greens, always open up the spreader off of the green and on the collar.

**Activate GC Pro with water immediately following application (see Table 1). Water to specified amount, or for at least 10 minutes.**

Make subsequent applications by applying 2 - 4 pounds of GC Pro per 1,000 square feet. Repeat applications when algae, moss, slime molds reappear. Apply GC Pro on consecutive days. The optimum application time is early morning or late afternoon.

During summer months, use GC Pro for spot treatments. Apply GC Pro directly to diseased areas.

### **TURF DISEASE TREATMENT:**

Use GC Pro for the prevention and control of Snow Mold, Brown Patch, Anthracnose, Yellow Tuft, Summer Patch, Fairy Ring, Dollar Spot, *Pythium*, and *Phytophthora*.

### **Liquid Application Directions**

1. Make a liquid solution of GC Pro by diluting ½ lb. of the granular/tablets for each gallon of water. (Dissolution of GC Pro in cold water will take approximately 5 minutes).
2. Spray evenly over area to be treated.
3. Make subsequent applications by diluting ¼ lb. of the granular/tablets for each gallon of water. GC Pro may be applied in the same area up to 3 consecutive days.
4. Repeat treatment when disease reappears.

The optimum application time is early morning or late afternoon.

Mix GC Pro only with water, and at the recommended rates. Do not mix GC Pro with any other substances.

### **Granular Application Directions**

Apply GC Pro to well-established (at least one growing season old) lawns, golf course fairways, greens and tees for the prevention and control of Snow Mold, Brown Patch, Summer Patch, Fairy Ring, Dollar Spot, *Pythium*, and *Phytophthora*. GC Pro is activated by moisture and must be watered in after application.

The best time to apply GC Pro for curative applications is when temperatures are 50°F or above. Apply GC Pro to well-established lawns, golf course fairways, greens and tees at a rate of 6 pounds per 1,000 square feet. When using a drop spreader, uniform coverage is essential for best results (see Tables 3, 4, and 5 for spreader settings). Avoid overlap when applying product to turf. If applying on greens, always open up the spreader off of the green and on the collar.

**Activate GC Pro with water immediately following application (see Table 1). Water to specified amount, or for at least 10 minutes.**

When making subsequent applications, apply 2 - 4 pounds of GC Pro per 1,000 square feet. Repeat applications when algae, moss, or slime molds reappear. GC Pro can be applied in the same area up to 3 consecutive days. The optimum application time is early morning or late afternoon.

During summer months, use GC Pro for spot treatments. For spot treatments apply GC Pro directly to diseased area.

**Table 1 – Application Rate**

Application Rate Lbs./1,000 ft <sup>2</sup>	Amount of water (inches) applied by sprinkler irrigation
2	1/10"
4	1/10"
6	1/10"
8	1/8"

**Table 2 – Scotts and Prizelawn Drop Spreader Settings**

Scotts and Prizelawn Rate in Lbs. / 1,000 ft <sup>2</sup>	Spreader Setting*
2	N/a
4	2
6	2 1/2
8	3

\* Use disbursement bars

**Table 3 – Gandy Drop Spreader Settings**

Gandy Rate in Lbs. / 1,000 ft <sup>2</sup>	Spreader Setting* @ 4 mph	Spreader Setting @ 6 mph
2	12	14
4	16	19
6	19	22
8	21	24

\*Use disbursement bars

**Table 4 – LESCO Rotary Spreader Settings**

LESCO Rate in Lbs. / 1,000 ft <sup>2</sup>	Spreader Setting
2	6
4	8
6	9
8	11

**NOTICE:** A broad spectrum of plant and turf species have been found to tolerate GC Pro however, due to the large number of species and varieties of ornamental plants and turf, it is impossible to test every one for tolerance to GC Pro. Neither the manufacturer nor the seller has determined whether or not GC Pro can be used on all known species of plants and turf. Therefore, test a small section at labeled rates for phytotoxicity prior to widespread use. Repeat applications can raise soil pH to levels that can adversely affect plant growth. GC Pro is incompatible with metal-based fungicides and fertilizers. **Do not apply GC Pro within three days of metal-based fungicides or fertilizer applications.**

**FOR USE ON ARTIFICIAL TURF:**

Use GC Pro for the prevention and control of algae, fungi, moss, slime molds and their spores.

**Application Directions**

1. Make a liquid solution of GC Pro by diluting ½ lb. of the granular/tablets for each gallon of water. (Dissolution of GC Pro in cold water will take approximately 5 minutes).
2. Spray evenly over area to be treated.
3. Allow to thoroughly dry before use.
4. Repeat treatment if disease reappears.

**FOR USE ON TURF EQUIPMENT AND TOOLS:** Use GC Pro to suppress / control the spread of plant pathogens, fungi and slime forming algae. Use ¼ lb. of GC Pro per gallon of clean water. Spray equipment thoroughly or soak tools to ensure complete coverage.

**FOLIAR SPRAY TREATMENTS**

Use GC Pro as a contact foliar fungicide/bactericide to treat and control plant pathogens on bedding plants, flowering plants, foliage plants, roses, woody and herbaceous ornamentals, nursery stock, ornamental shade and fruit and nut trees, greenhouse grown fruits, vegetables and other crops.

GC Pro controls the following diseases: Alternaria Blight, Anthracnose, Blackspot, Botrytis Blight, Botrytis Gray Mold, Cercospora Leaf Spot, Corynespora Leaf Spot, Downy Mildew, Erwinia, Monilinea Fruit And Blossom Rot, *Penicillium* spp. Phomopsis Blight, Powdery Mildew, Pseudomonas, Rust, Rhodococcus, Scab, Septoria Leaf Spot, Xanthomonas.

Use GC Pro on the following greenhouse crops: Small Fruits: Blackberries, Blueberries, Raspberries, Strawberries. Citrus Crops: Citrus Hybrids, Grapefruit, Kumquat, Lemon, Limes, Orange, Tangerine. Herbs & Spices: Basil, Chives, Cilantro, Coriander, Dill, Medicinal, Mint, Oregano, Rosemary, Sage. Cucurbit Crops: Cucumber, Melons. Fruiting Vegetables: Eggplant, Peppers, Tomatoes, Tomatillos. Leafy Vegetables: Lettuce, Microgreens, Miscellaneous Crops: Tobacco, Hops and Herbs.

Apply GC Pro up to and including the day of harvest.

## FOLIAR SPRAY APPLICATION INSTRUCTIONS:

Apply using backpack, hand-held, high volume, and boom or ground sprayer. For best results, use a properly calibrated sprayer or similar equipment and check equipment, calibration frequently.

GC Pro works by surface contact with the plants and materials being treated. It is important to ensure that all surfaces are thoroughly wet. GC Pro does not produce a distinct odor or deleterious effects to plants when used in accordance with label directions. Do not use at stronger than recommended rates, as leaf burn may result.

Prepare a solution by mixing 1.5 to 4.8 oz. (3-10 tbsp.) of GC Pro per 10 gallons of water (1-3 lbs. per 100 gallons of water). Use 10 gallons of spray solution to treat up to 1,000 sq. ft. Refer to Application Rate Chart, below.

For the most effective results, use a sufficient volume of spray solution to obtain complete and uniform coverage of foliage and stems. Spray solution volume per unit area will vary depending on crop type and stage of development.

**Foliar Application Rates**

Amount of GC Pro	Volume of water	Treatment Area
1.5 – 4.8 oz. (3-10 tbsp.)	10 gallons	500 -1,000 sq. ft.
1 – 3 lbs. (2 – 6 cups)	100 gallons	5,000 – 10,000 sq. ft.
4 – 12 lbs. (8-24 cups)	400 gallons	0.5 - 1 acre

**Special Instructions for Bedding Plants and other Sensitive Species:** For sensitive species and bedding plants, such as impatiens and pansies, use the low rate of 1.5 oz./10 gallons of water per 1,000 sq. ft. and increase spray frequency. **Discontinue applications when blossom buds become visible.**

**Special Instructions for Poinsettia;** Use the low rate of 1.5 oz. /10 gallons of water per 1,000 sq. ft. weekly during vegetative growth prior to bract formation.

- Do not apply this product through any type of irrigation system.
- Do not apply directly to soil as a directed spray or drench.

## EARLY AND LATE DORMANT SPRAY APPLICATION INSTRUCTIONS:

Use as a dormant spray for early and late season applications on woody ornamentals, nursery stock, shade and fruit and nut trees, roses, azaleas and small fruits prior to bud opening. Do not apply during bloom.

Prepare a solution by mixing 4.8 – 6.5 oz. of GC Pro per 10 gallons of water (3-4 lbs. per 100 gallons of water). Use 10 gallons of spray solution to treat up to 1,000 sq. ft. Use up to 400 gallons of spray solution per acre. For the most effective results, use a sufficient volume of spray solution to obtain complete and uniform coverage.

## APPLICATION TIMING:

Begin preventative applications at low rates when conditions are favorable for disease development such as rainy weather or during periods of high relative humidity. Maintain a 7-10 day spray interval. Begin using high rate at first sign of disease. Maintain a 7-day spray interval until control is achieved.



## **MIXING INSTRUCTIONS:**

GC Pro will go into solution with clean water at no more than ½ pound per gallon of water. Dissolution of GC Pro in cold water takes approximately 5 minutes, less in warm water. When mixing, fill the spray tank one-half full of water, add GC Pro slowly to the clean tank, while hydraulic and or mechanical agitation is operating. The additions of any spreaders should be added only after they have been pre-determined to be chemically compatible with GC Pro.

GC Pro works best when diluted with water containing low levels of organic or inorganic materials, and with water having a neutral pH. Thoroughly rinse out tank with water before mixing.

Before tank mixing with fertilizers, fungicides, or bactericides, conduct a compatibility test for each combination. Make a test solution and shake or stir vigorously. Excessive bubbling and/or pressure are indications of incompatibility.

Do not mix GC Pro with other products with an acidic pH. Do not adjust pH after mixing of product. Acidification of solution will cause reduced product performance.

GC Pro is a strong oxidizing agent and may react with residues of metal-based fungicides or supplements. Do not apply GC Pro as a foliar spray immediately following foliar applications of metal-based products. Allow at least 24 hrs. after application of metal-based products before applying GC Pro as a foliar spray. Check the label of the metal-based products prior to application for specific instructions for use with other fungicide products.

**Note:** Use spray solutions within in two hours of preparation, do not store and reuse mixed spray solution.

## **Compatibility:**

GC Pro is compatible as a tank-mix with many commonly used pesticides, fertilizers, adjuvants and non-ionic surfactants but has not been fully evaluated with all of these. Do not tank mix GC Pro in spray tanks with pesticides, surfactants or fertilizers before conducting a compatibility test to show it is physically compatible, effective and non-injurious under your use conditions.

To ensure compatibility, evaluate them prior to use as follows: Using a suitable container, add proportional amounts of product to water. Add wettable powders first, followed by water dispersible granules, then by liquid flowables and lastly, emulsifiable concentrates. Mix thoroughly and let stand for at least five minutes. If the combination stays mixed or can be remixed, it is physically compatible. Excessive bubbling and/or pressure are indications of incompatibility. Test the combination on a small portion of the crop to be treated to ensure that a phytotoxic response will not occur as a result of application.

## **PLANT SENSITIVITY TESTING:**

Be sure to use GC Pro at labeled dilutions as solutions more concentrated can result in leaf necrosis for some crops (i.e., do not use at concentrations greater than labeled rates). GC Pro provides a balanced source of the active ingredient directly to the plant surface. GC Pro has been used and tested on many varieties of plant material; however, the nature of the target plant, environmental conditions, plant vigor and the use of other pesticides can all affect plant sensitivity to GC Pro. Therefore, before treating large numbers of plants, test GC Pro on a few plants for sensitivity.

Application of GC Pro for curative control of obligate organisms living in the plant tissue (such as Downy and Powdery Mildew) can result in lesions on plant tissue. GC Pro will oxidize parasitic



organisms living in plant tissue that are not always visible to the naked eye. Resulting oxidative effects can include spotting, or drying of the plant tissue where organisms inhabited tissue.

### **FOR SOIL SURFACES CONTAINING GROWING PLANTS**

Apply GC Pro to soil surfaces for the prevention and control of algae, moss, liverworts, slime molds and their spores. Use in containers and planters for ornamental plants.

#### **NURSERY CONTAINER PLANTS AND TREES:**

Use GC Pro in container-grown plants and trees. GC Pro works by surface contact and complete coverage is important.

#### **Granule Application:**

Make granular applications over dry surfaces at a rate of 8 – 10 lbs per 1,000 sq. ft. and activate with 0.1 – 0.2 inches of water per 1,000 sq. ft. immediately following application.

For Curative Treatments: Evenly distribute GC Pro over the soil surface of plant container. Repeat on a weekly to bi-weekly basis.

<b>Pot Size</b>	<b>Rate of GC Pro</b>
8 inch	1/3 tsp.
10 inch	1/2 tsp.

For Follow-Up And Preventative Applications: Evenly distribute GC Pro over the surface of plant container. Repeat on a weekly to bi-weekly basis.

<b>Pot Size</b>	<b>Rate of GC Pro</b>
8 inch	1/8 tsp.
10 inch	1/6 tsp.

#### **Liquid Application:**

##### **For Curative Treatments:**

Mix ½ lb. of GC Pro per gallon of water, spray at a rate of three gallons per 1000 sq. ft. of plant area.

##### **For Preventative Treatments:**

Mix ¼ lb. of GC Pro per gallon of water, spray at a rate of three gallons per 1000 sq. ft. of plant area.

#### **Application Directions:**

1. Make a liquid solution by diluting ¼-½ lb. of GC Pro for each gallon of water. (Dissolution of GC Pro is faster in warm water).
2. Spray evenly over area to be treated.
3. Spray 3 gallons of solution per 1000 sq. ft. of plant area.
4. Treat the entire area.
5. Do not apply any supplements containing elemental iron, manganese, zinc or biological agents 24 hours prior to the application of GC Pro.

**NOTICE:** A broad spectrum of plant and turf species have been found to tolerate GC Pro. However, due to the large number of species and varieties of ornamental plants and turf, it is impossible to test

every one for tolerance. Neither the manufacturer nor the seller has determined whether or not this product can be used on all known species of plants and turf. Therefore, test a small section at labeled rates for phytotoxicity prior to widespread use. Repeat applications can raise soil pH to levels that can adversely affect plant growth. GC Pro is incompatible with metal-based fungicides and fertilizers. Do not apply GC Pro within three days of metal-based fungicides or fertilizer applications.

#### **STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in original containers in dry conditions in a cool, well-vented area, away from direct sunlight. Do not allow product to become overheated (>50°C) in storage. This may cause increased degradation of the product, which will decrease product effectiveness. In case of spill, flood area with large quantities of water. Do not store in a manner where cross-contamination with other pesticides or fertilizers could occur. Do not store near incompatible materials such as reducing agents, combustible materials, organic materials or acids.

**PESTICIDE HANDLING:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited. If wastes cannot be disposed of according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

#### **CONTAINER HANDLING:**

**Plastic Containers, All sizes:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and reclose. Shake or stir for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Puncture and dispose of in sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke

**50 lb Bags/Sacks:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty sack [bag] into application equipment. Then dispose of empty sack [bag] in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. To the extent consistent with applicable law, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of BIOSAFE SYSTEMS LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold BIOSAFE SYSTEMS and Seller harmless for any claims relating to such factors.

BIOSAFE SYSTEMS warrants that this product conforms to the *chemical* description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above when used in accordance with directions under normal use conditions. To the extent consistent with applicable law, this warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or BIOSAFE SYSTEMS, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BIOSAFE SYSTEMS MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESSED OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, in no event shall BIOSAFE SYSTEMS or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF BIOSAFE SYSTEMS AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF BIOSAFE SYSTEMS OR SELLER, THE REPLACEMENT OF THE PRODUCT.

BIOSAFE SYSTEMS and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of BIOSAFE SYSTEMS.

## OPTIONAL LABEL CLAIMS:

- Algaecide
- Fungicide
- Bactericide
- Oxidizer
- Granular
- Tablets
- Algaecide/Fungicide
- Broad Spectrum
- Broad Spectrum Algaecide/Fungicide
- Foliar Fungicide/Bactericide
- Treatment of Powdery and Downy Mildew
- A treatment for the prevention and control of plant pathogenic diseases in nurseries and commercial greenhouses
- For indoor or outdoor uses.
- Preventative treatment for turf.
- Treats/controls algae, liverwort(s), odor-causing bacteria and fungi, and the conditions that these organisms may cause.
- For the prevention and control of plant pathogens, algae, moss, liverwort(s), odor-causing bacteria, fungi and slime forming algae.
- A treatment for the prevention and suppression / control of turf diseases in lawns, golf course fairways, greens, and tees.
- Professional turf care.
- For use on artificial turf.
- Treats, controls, and prevents algae growth.
- Suppresses / controls the spread of plant pathogens, algae, fungi and slime forming algae on equipment and tools.
- Easy to use.
- Effective moss (and liverwort) control.
- Eliminate liverwort(s), moss and algae from container-grown plants and trees.
- Granular Algaecide
- Can be used up to the day of harvest.
- For foliar control of bacterial and fungal plant diseases
- For use on outdoor ornamental plants and greenhouse crops

# Sublabel C: Swimming Pool, Whirlpool and Hot Tub Applications

## GC Pro

**Active Ingredient:**

Sodium Carbonate Peroxyhydrate\* .....85.00%

**Other Ingredients:** ..... 15.00%**Total:** ..... 100.00%

\*Contains 27.60% Hydrogen Peroxide by weight.

**KEEP OUT OF REACH OF CHILDREN****DANGER – PELIGRO**

*Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)*

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 – 20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If swallowed</b>	<ul style="list-style-type: none"><li>• Call poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>If inhaled</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>HOTLINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN</b>	
Probable mucosal damage may contraindicate the use of gastric lavage.	

See (inside)(back)(side)(panel)(label)for first aid, additional precautionary statements and directions for use.

**EPA Registration No.** 70299-15**Batch Code** \_\_\_\_\_**EPA Establishment No.** 72797-AL-001, 067441-IL-001, 089546-NV-001**Manufactured by:**

BioSafe Systems, LLC

22 Meadow Street, East Hartford, CT 06108

Tel.: (888) 273-3088

**Net Contents:** 2, 2.5, 3, 8, 20, 50 lbs.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER: Corrosive.** Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds. Do not use near waterbody margins during amphibian breeding seasons. Do not contaminate water when disposing of equipment washwaters or rinsate.

### PHYSICAL AND CHEMICAL HAZARDS

Strong oxidizing agent. **Corrosive.** Do not bring in contact with other pesticides, cleaners or oxidative agents.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

#### Algaecide Treatment

Use GC Pro to treat and control the growth of algae, algae slime and water molds in swimming pools, hot tubs and whirlpools. Use as an initial treatment for immediate control of visible algae. Pools, hot tubs and whirlpools with heavy algae growth should be cleaned prior to using this product. Use weekly to maintain algae control. No pH adjustment is required.

**Do not mix with liquid or dry chlorine.**

#### Swimming Pools

Application Rates		
POOLS	HEAVY ALGAE GROWTH	LOW ALGAE GROWTH / MAINTENANCE
GRANULAR/TABLETS:	2-8 cups of GC Pro per 15,000 gallons of water.	1-2 cups of GC Pro per 15,000 gallons of water.
	(2 Cups = 1 lb.)	(2 Cups = 1 lb.)

One pound of granules is equivalent to one pound of tablets.

#### Initial Treatment Directions

1. Apply early in the day under calm, sunny conditions, and when water temperatures are warm. Sunlight and higher temperatures both enhance GC Pro activity.
2. Turn off filtration equipment.
3. Broadcast 1-4 lbs. (2-8 cups) of GC Pro evenly over the water surface for each 15,000 gallons of pool water. Use up to 1 lb. per 1,000 gallons for severely fouled pools and heavy algae and slime infestations.
4. GC Pro will readily dissolve. In cold water it may take longer to dissolve.
5. Skim dead algae and organic matter from surface of pool. This will help prevent filter and pump clogging and will remove additional nutrients that may stimulate algae re-growth.
6. Turn filter on after 30 minutes, run filter for 24-48 hours until remaining dead algae is removed.

7. Thoroughly brush sides of pool.
8. Clean filter and vacuum if needed.
9. Repeat dosage for persistent algae.
10. If adding chlorine or bromine wait at least eight hours before application.

### **Maintenance Application Instructions**

Broadcast 1- 2 cups per 15,000 gallons evenly over water surface as a weekly maintenance dose to prevent algae growth. Apply maintenance dose after heavy rainfall or heavy pool use to prevent algae blooms. Use a bi-weekly application of GC Pro during periods of heavy algae growth. Skim off dead algae and organic debris that rises to the surface.

### **Spot Treatments**

Apply 1-2 cups of GC Pro directly over algae blooms. Skim off dead algae and organic debris. Vacuum if needed.

### **Winterization**

Treat for heavy algae growth with GC Pro at a rate of 1-4 lbs. (2-8 cups) prior to closing the pool for winter. If pool is not covered, it may be necessary to repeat the treatment one or two more times during the off season.

### **Hot Tubs, Whirlpools**

<b>Application Rates</b>		
<b>HOT TUBS, WHIRLPOOLS</b>	<b>HEAVY ALGAE GROWTH</b>	<b>LOW ALGAE GROWTH / MAINTENANCE</b>
GRANULAR/TABLETS:	<b>2-10 tablespoons</b> of GC Pro per 1000 gallons of water. (16 Tbs. = 1 Cup) (2 Cups = 1 lb.)	<b>1-3 teaspoons</b> of GC Pro per 1000 gallons of water. (3 tsp. = 1 Tbs.)

### **Algaecide Treatment Instructions**

Hot tubs and whirlpools having visible algae growth require an application of 2-10 tablespoons of GC Pro per 1000 gallons of water. For treatment of freshly cleaned hot tub or whirlpool, apply 1-3 teaspoons per 1000 gallons of water. Reapply 5-7 days after initial treatment for maintenance.

### **STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

#### **PESTICIDE STORAGE**

Store in original containers in a cool, well-vented area, away from direct sunlight. Do not allow product to become overheated in storage. This may cause increased degradation of the product, which will decrease product effectiveness. In case of spill, flood area with large quantities of water. Do not store in a manner where cross-contamination with other pesticides or fertilizers could occur.

#### **PESTICIDE DISPOSAL AND CONTAINER HANDLING**

**If empty** – Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

**If partly filled** – Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## **WARRANTY**

This material conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. To the fullest extent consistent with applicable law, the seller shall not be liable for timing, unfavorable temperatures, water conditions, presence of other materials, method of application, weather, watering practices, nature of soil, disease problem, incompatibility with other chemicals, pre-existing conditions and other conditions influencing the use of this product. To the fullest extent consistent with applicable law, buyer assumes all risks associated with the use, storage, or handling of this material not in strict accordance with directions given herewith. **NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY IS MADE.**

### Optional Label Claims:

- Algaecide
- Bactericide
- Fungicide
- For indoor or outdoor uses
- Non-staining
- Broad spectrum algaecide
- Chlorine free
- Copper free
- Buffers pH
- Improve water clarity
- No pH adjustments
- Immediate algae control
- No toxic fumes
- No odors
- Controls odors
- Works on contact
- Does not leave toxic residuals in water
- Biodegradable
- Adds beneficial oxygen
- For pools and spas
- Easy to use
- Raises leaves and organic matter from bottom for removal
- Eliminates contaminants while treating algae
- Shock treatment
- Controls algae
- Quickly controls algae when first opening pools
- Use to prevent algae blooms during winterization
- Controls and prevents algae, slime and water molds
- Algaestat
- Does not contain heavy metals
- Reduces maintenance time
- Works within minutes
- No Bioaccumulation
- Swim within minutes
- Results within minutes



- Sustainable Formula
- Made in America
- Look for other green products from BioSafe Systems
- Safe enough to swim directly after use
- Can be used around people and pets
- Ideal for pool openings and closings
- Fast-acting algaecide
- Kills all types of algae, including green and mustard algae
- Use as a preventative all season long
- Controls algae growth
- Clarifies pool water
- Helps maintain proper PH level
- Attacks stubborn algae
- Won't leave water cloudy
- Does not clog filters
- Non-foaming
- Highly concentrated copper alternative
- Does not contain heavy metals
- Fast-acting algaecide
- Slow dissolving tablets
- Granular Algaecide
- Available in granular and tablets
- Organic algae and shock treatment
- Granular
- Tablets
- For control and prevention of algae, slime and water molds in swimming pools hot tubs and whirlpools