70299-15 08/14/2009 1/30

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division
(7511C)
1200 Pennsylvania Avenue NW
Washington, DC 20460

EPA Reg. Number:	Date of Issuance:
70299-15	AUG 14 2009

Term of Issuance: **UNCONDITIONAL**

NOTICE OF PESTICIDE:

__XX___ Registration (under FIFRA, as amended)

Name of Pesticide Product:
GC PRO

Name and Address of Registrant (include ZIP Code):

BioSafe Systems
22 Meadow Street
EastHartford CT 06108

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA Sec. 3(c)(5) provided you:

1. Submit and/or cite all data required for registration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.

2. Submit--within 18 months-- a data package for Guideline Study: OPPTS 830.6317 (Storage Stability and Corrosion Characteristics). If these data are not submitted within 18 months, this registration will expire on February 13, 2011. If this registration expires, provisions for continued sale of existing stock may apply.

3. Make the following label change before you release the product for shipment: Revise the EPA Registration Number to read, "**EPA Reg. No. 70299-15**

4. Submit three (3) copies of the revised final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Signature of Approving Official:
W. Michael McDavit

W. Michael McDavit, Associate Director
Biopesticides and Pollution Prevention Division

Date: 8-14-09

EPA Form 8570-6

GC Pro

(Alternate Brand Names: GreenClean Max, TerraCyte Pro Algaecide/Fungicide, Oxybact Bactericide/Fungicide)

MASTER LABEL

Sublabel A: Aquatic and Agricultural/Horticultural Uses
Sublabel B: Turf Applications

- For indoor or outdoor uses.

Active Ingredient:
Sodium Carbonate Peroxyhydrate* 85.00%
Other Ingredients:..... 15.00%
Total: 100.00%
*Contains 27.60% Hydrogen Dioxide by weight.

EPA Registration No. 70299-XX
EPA Establishment No. XXX

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

ACCEPTED

AUG 14 2009

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

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 Dioxide 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.)

FIRST AID	
If in eyes	• Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 – 20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	• Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
HOTLINE NUMBER	
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 medial treatment information.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

EPA Registration No. 70299-XX
EPA Establishment No. 68660-TX-001

Manufactured by:
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Net Contents:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMAN 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 P PE 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.

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 m ay be in the area during application.

Avoid use near shallow w aterbody margins during am phibian breeding seasons.

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 requirem ents for the protection of agricultural w orkers 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 S tandard.

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 s prays have dried.

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 s prays have dried or dusts have settled.

Apply GC Pro to any listed water or surface sites.

* Application sites include:

  Farms, Crop Production Facilities, Ranches, Equipment Barns, Packinghouses, Food Processing Plants, Post Harvest Facilities, Sod Farms, Rice Paddies and Fields, Aquaculture Production Facilities, Fisheries, Hatcheries, Greenhouses, Nurseries, Golf Courses, Parks, Amusement Parks, Water Parks, Aquariums, Zoos, Botanical Gardens, Recreational Areas, Non-Chlorinated Swimming Areas, Raceways, Sports Facilities, Business Parks, Indoor/Interiors, Malls, Hotels, Kennels, Animal Production Facilities, Feedlots, Cattle Facilities, Dairy Barns, Poultry Premises, Equine Facilities, Pet Animal Quarters, Livestock Barns, Livestock Stalls and Holding Pens, Cemeteries, Carwashes, Marinas, Boats, Docks, Garden Centers, Power Washing, Water Gardens, Landscapes, Municipalities, Reservoirs, Waterways, Storm Waters, Drainage Systems, Impounded Waters, and Wastewater.

* Application surfaces include:

  WATER SURFACES
  Ponds, Lakes, Lagoons, Fish Ponds, Stock Tanks, Stock Watering Ponds, Watering Troughs, Livestock Watering Systems, Post Harvest Waters, Process Water Systems, Golf Course Ponds, Industrial/Commercial Ponds, Impounded Waters, Standing Water, Bilge Water, Reservoir Water, Waterways, Conveyance Ditches, Canals, Laterals, Drainage Systems, Irrigation Systems, Irrigation Ponds, Catch Basins, Flooded Areas, Sewage Systems, Sewage Lagoons, Drain Fields, Fire Ponds, Watering Tanks, Watering Systems, Storage Tanks, Water Collectors and Domestic/Commercial Waters

  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, Floors, Walls, Greenhouse Benches, Fan Blades, Vats, Tanks, Coolers, Storage Rooms, Bins, Elevators, Storage Areas, Spray Equipment, Conveyors, Irrigation Systems, Process Equipment, 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 AND HORTICULTURAL USE SITES
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.

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 granular 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:	Circular/Elliptical:
L(ft) x W(ft) x D(ft) x 7.5 = Gallons	L(ft) x W(ft) x D(ft) x 5.9 = Gallons
L(m) x W(m) x D(m) x 1000 = Liters	L(m) x W(m) x D(m) x 786 = 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

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

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

APPLICATION RATES

Full Water Volume Rates:

	HEAVY ALGAE GROWTH	LOW ALGAE GROWTH / MAINTENANCE
GRANULAR: Lg. Volume	**50-250 pounds** of GC Pro per million gallons of water. - or - **20-90 pounds** of GC Pro per acre-foot of water.	**5-25 pounds** of GC Pro per million gallons of water. - or - **2-9 pounds** of GC Pro per acre-foot of water.
For example: Lakes, ponds, lagoons		
GRANULAR: Sm. Volume	**2-10 tablespoons** of GC Pro per 1000 gallons of water.	**1-3 teaspoons** of GC Pro per 1000 gallons of water.
	(16 Tbs. = 1 Cup) (2 Cups = 1 lb.)	(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.

	HEAVY ALGAE GROWTH	LOW ALGAE GROWTH / MAINTENANCE
GRANULAR:	**20-90 pounds** of GC Pro per acre-foot of water.	**2-9 pounds** of GC Pro per acre-foot of water.
LIQUID:	Solution Preparation:	
	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.	
	Treatment Rates:	
	Use the same rates as the granular application given above.	

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.
- 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 to remain in an area where humans or animals are exposed.
- Non-target plants will suffer contact burn if undiluted granules 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 contact of the pesticide is made with the algae.
- Liquid applications will not sink through the water column as readily as a granular 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 consumption and temperatures are high.

APPLICATION METHODS

In bodies of water where an aerator is available, and when treating an entire water volume, apply GC Pro at the edges of the aerator turbulence, or within 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 from a properly equipped boat.

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 properly equipped boat. If using a 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 by means of a boat. Use granular application rates. Begin treatment along the shoreline, and proceed outward. The path of the boat shall insure an even distribution. Continue dragging until all GC Pro is dissolved.

AERIAL:
Apply in granular form, 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 and the grower are responsible for considering all these factors when making decisions.

SURFACE TREATMENT

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

Use on surfaces, equipment, and structures such as: 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, process equipment, process water systems, trucks, structures and related equipment. Use in areas that promote slippery conditions and slip hazards caused by algae and slime molds.

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

POTS, FLATS, TRAYS AND CUTTING TOOLS: Use GC Pro to suppress / control the spread of plant pathogens, bacteria, 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.

APPLICATION RATES

Ground/Surface Rates:

	HEAVY GROWTH	LOW ALGAE GROWTH / MAINTENANCE
GRANULAR:	**1-2 pounds** of GC Pro per 1000 square feet of area.	**0.5-1 pounds** of GC Pro per 1000 square feet of area.
	(1 lb. = 2 cups)	(1 lb. = 2 cups)
	Make granular applications over a wet surface or activate with water immediately following application.	
LIQUID:	Solution Preparation:	
	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.	
	Treatment Rates:	
	Use the same rates as the granular application given above.	

FOAM:	Solution Preparation:	
	Follow the Liquid solution preparation instructions above.	
	Add 2.0 - 5.0 fluid ounces of an alkaline-based foam, such as BioSafe Systems "Alk-A-Foam", per gallon of finished solution.	
	Treatment Rates:	
	Use the same rates as the granular/liquid application given above.	

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

LIQUID:	Solution Preparation: 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.
	Treatment Rates: 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.

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 and microorganisms in greenhouses, nurseries, farms, aquaculture production facilities, fisheries, hatcheries, aquariums, zoos, kennels, and livestock barns. Solution Preparation: 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.

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 to remain in an area where humans or animals are exposed.
- Non-target plants will suffer contact burn if undiluted granules 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.

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). Spray this solution on the desired treatment surface.

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

POST HARVEST APPLICATIONS

Use GC Pro to treat bacterial and fungal diseases in post-harvest waters, process waters, spray systems, wash tanks, dip tanks, dump tanks, drench tanks, evaporators, humidification systems, hydro coolers, storage tanks, equipment, structures, and on agricultural commodities.

FOR TREATMENT OF NONPOTABLE WATER SYSTEMS:
Use in wash tanks, dip tanks, drench tanks, evaporators, humidification systems and/or storage tanks. Treat water containing plant pathogens with ½ lb. of GC Pro for every 250 gallons of water.

Rates:

	Contaminated Water - TREATMENT	**Clean Water / MAINTENANCE**
GRANULAR: Lg. Volume	**2 pounds** of GC Pro per 1000 gallons of water. (16 Tbs. = 1 Cup) (2 Cups = 1 lb.)	**1 pound** of GC Pro per 1000 gallons of water. (3 tsp. = 1 Tbs.)

FOR TREATMENT OF WATER IN DUMP TANKS, DIP TANKS, HYDRO COOLERS, SPRAY SYSTEMS AND PROCESS WATERS:
Use GC Pro to treat water containing plant pathogens to prevent bacterial and fungal diseases on post-harvest fruits and vegetables. Applicable for use on all types of post harvest fruits and vegetables.

1) To prevent the formation of algae, bacteria, and fungi, 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.

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 POST HARVEST SPRAY TREATMENTS ON PROCESS AND PACKING LINES:
Use GC Pro on process and packing lines to prevent bacterial and fungal diseases on post-harvest fruits and vegetables. Add 0.1 lb. 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. Applicable for use on all types of post harvest commodities (see specific directions for treatment of post-harvest potatoes).

FOR MANUAL POST-HARVEST SPRAY TREATMENT:
Use GC Pro to prevent bacterial and fungal diseases on all post-harvest fruits and vegetables. Mix 1 tsp. of GC Pro per gallon of clean water. Spray fruit or vegetables to runoff using hydraulic, bac kpack, air-assisted or other similar sprayer or foamer.

FOR POST-HARVEST SPRAY TREATMENTS ON POTATOES:
Spray potatoes prior to storage for the control of Bacteria Soft Rot, Early Blight, Fusarium Tuber Rot, Late Blight, Silver Scurf. Apply at a rate of 0.1 to 0.3 lbs. GC Pro per 100 gallons. Spray using 1/2 gallons of spray water per ton of potatoes to be treated. Do not treat seed potatoes.

Add GC Pro to process water used in potato rinses, and associated tanks, flumes and lines to control odor-causing and/or slime-forming bacteria 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.

FOLIAR SPRAY TREATMENTS

Use GC Pro to treat and control plant pathogenic diseases on field grown crops, tree crops, crops grown in commercial greenhouses, or crops grown in si milar sites.

FOR FOLIAR SPRAY TREATMENTS ON CROPS:
GC Pro works immediately on contact with any plant surface for control of plant pathogenic diseases – see Application Instructions chart.

Use sufficient water to obtain optimal coverage of foliage. Good coverage and wetting of the foliage is required. Gallonage to be used will vary with crop and amount of plant growth. Spray volume will vary from 30-100 gallons of spray solution per treated acre. Apply using properly maintained and calibrated spray equipment. Apply using backpack, hand-held, high volume, boom or ground sprayer.

MIXING INSTRUCTIONS:
Make a solution with GC Pro. 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.

- 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 or to postharvest commodities when used in accordance with label directions. Do not use at stronger than recommended rates, as leaf burn may result.

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

For best results, apply at first sign of disease. Spray plants ensuring foliage is thoroughly wet. Apply consecutive applications until control is achieved and then follow directions for preventative treatment.

FOR AERIAL SPRAY TREATMENTS FOR FIELD GROWN AND TREE CROPS: To ensure optimum product performance, use at the foliar application rate indicated in sufficient water for adequate coverage of plant foliage. Apply with properly calibrated aerial equipment, using the minimum number of nozzles that provide uniform coverage. Do not make applications at a height greater than 10 ft. above the plant canopy, unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to wind and evaporation. When dosage ranges are given, use the higher rate and shorter interval under severe disease pressure, but do not exceed the maximum rate or apply more frequently than labeled in the Application Instructions for that crop.

Spray Drift Management- Avoiding spray drift is the responsibility of the applicator. Do not apply when wind conditions favor drift away from the intended area for treatment. Many factors including droplet size, equipment type and weather related factors determine the potential for spray drift.

- **Do not use GC Pro during conditions of intense heat, drought or poor plant vigor.**
- **Do not apply this product through any irrigation system unless directed by the label; refer to Chemigation Directions for Use.**
- **Prior to treating large numbers of plants, test a few plants for sensitivity.**

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 more than 8 lbs. per acre for foliar treatments). GC Pro has been designed to provide 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.

Foliar Application Instructions

Crops and Diseases (Alphabetical by Crop Grouping)

Crops	Disease(s)	Rate - lbs. product/acre	Directions
Alfalfa	Cerospora Leaf Spot	1 –2 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable

			for disease.
Asparagus	Asparagus Rust	1-3 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Avocado	Anthracnose Blotch	3-6 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Bananas **Plantains**	Sigatoka	4 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Berries, including but not limited to: Blackberry Blueberry Cranberry Raspberry Strawberry	Alternaria Angular Leaf Spot Botrytis Crown Rot Downy Mildew Mummy Berry Disease Leaf Blight Powdery Mildew Fruit Rot	1 – 3 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease. Dormant Applications: Use at higher rates in both spring and Fall.
Bulb Vegetables including but not limited to: Garlic Green Onions Leeks Onions Scallions Shallots	Botrytis Downy Mildew Powdery Mildew	3-6 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Cereal Grains & Commodities, including but not limited to: Barley Corn (field) Millet Oats Popcorn Rice Rye Sorghum (Milo) Soybeans Sweet Corn Wheat Wild Rice	Anthracnose Bacterial Blight Bacterial Leaf Blight Blast Brown Leaf Spot Common Rust Common Smut Downey Mildew Head Smut Leaf Smut Sheath Blight Sorghum Downey Mildew Southern Blight Stem Canker Stem Rot	1-2 lbs.	Make first spray early in season followed by second spray 7-10 days later. Use higher rates when conditions are favorable for disease
Celery	Early Blight Late Blight	3 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease..
Citrus Crops, including but not limited to: **Citrus Hybrids** Grapefruit	Alternaria Anthracnose Brown Rot Powdery Mildew Rust Scab	3-6 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.

Kumquat Lemon Lime Orange Tangerine			
Coffee	Coffee Berry Disease Bacterial Blight Leaf Rust	3-5 lbs.	Apply after first flush. For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher diseases severity or when conditions are favorable for disease.
Cole Crops, including but not limited to: Broccoli Brussel Sprouts Cabbage Cauliflower Collards Kale	Alternaria Leaf Spot Downy Mildew Early Blight Late Blight Powdery Mildew	3-4 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Cotton	Fusarium Thielaviopsis Cotton Root Rot Bacterial Blight	1-2 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Cranberries	Fruit Rot Leaf Blight Bacterial Stem Canker	1-2 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Cucurbit crops, including but not limited to: Cucumber Melons Pumpkin Squash	Alternaria Anthracnose Belly Rot Downy Mildew Fusarium Wilt Gummy Stem Blight Leaf Spot Powdery Mildew Root Rots	2-4 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.

Forage and Fodder Crops including but not limited to: Alfalfa Hay Clover Trefoil Lupine Grasses	Cerospora Leaf Spot	1-2 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Fruiting Vegetables including but not limited to: Eggplant Peppers Tomatoes Tomatillos	Anthracnose Early Blight Late Blight Alternaria Blight Bacterial Wilt Tobacco Mosaic Virus Tomato Yellow Leaf Curl	2-4 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Grapes	Black Rot Botrytis Downy Mildew Powdery Mildew Sour Rot	3-4 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Grasses grown for seed or sod including: Turf	Grey Leaf Spot Leaf Rust Leaf Spot Stem Rust	3-6 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Herbs and Spices, including but not limited to: Basil Chives Cilantro Coriander Dill Mint Rosemary Sage	Anthracnose Downy Mildew Powdery Mildew	1-2 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Hops	Downy Mildew Powdery Mildew	1-2 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Kiwi	Alternaria Anthracnose Leaf Blight Powdery Mildew Sooty Mold Stem Rot	1- 3 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.

Leafy Vegetables, including but not limited to: Arugula Celery Chickory Root Endive Fennel Lettuce Spinach Rhubarb Radicchio Swiss Chard	Brown Rot Botrytis Downy Mildew Early Blight Late Blight Powdery Mildew Rust	2-4 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Legumes, including but not limited to: Chick Peas Dry Beans Lima Beans Peas Snap Beans	Anthracnose Botrytis Downy Mildew Early & Late Blight Fusarium Powdery Mildew Sclerotinia Rust White Mold	1-2 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Mango	Alternaria Anthracnose Leaf Blight Powdery Mildew Sooty Mold Stem Rot	1-3 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Mushrooms	Bacterial Blotch Mycogene Necrotic Spot Trichoderma Verticillium Spot	2-4 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Papaya	Anthracnose	1- 3 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Peanuts	Sclerotinia Blight Stem Blight Pod Rot Rust Leaf Spot	2-4 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.

Pineapple	Alternaria Anthracnose Leaf Blight Powdery Mildew Sooty Mold Stem Rot	1-3 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Pome Fruits including but not limited to: Apples Pears Loquats Mayhaws Quince	Fire Blight Powdery Mildew Rusts Scab	6-8 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease. Dormant Applications: Use at higher rates in both spring and Fall.
Potatoes (in furrow)	Early Blight Late Blight	1-3 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Potatoes (Seed)	Fusarium	1-3 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Rice	Bacterial Leaf Blight Blast Brown Leaf Spot Leaf Smut Sheath Blight Stem Rot	1-3 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Root & Tuber Vegetables including but not limited to: Artichokes Beets Carrots Ginseng Horseradish Parsnip Potatoes Radish Rutabaga Sugar Beets Sweet Potatoes Taro Turnips Yams	Alternaria Bacterial Leaf Spot Crown Rot Early Blight Late Blight Leaf Blight Leaf Spot Powdery Mildew Potato Brown Rot	1-3 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Stone Fruits, including but not limited to: Apricots Cherries Nectarines Peaches Plums Prunes	Brown Rot Downy Mildew Powdery Mildew	6-8 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease. Dormant Applications: Use at higher rates in both spring and Fall.

Strawberries	Alternaria Angular Leaf Spot Botrytis Crown Rot Downy Mildew Fruit Rot Leaf Blight Powdery Mildew	1-3 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Soybean	Anthracnose Bacterial Blight Brown Leaf Spot Downey Mildew Southern Blight Stem Canker	1-2 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.
Sugar Beets	Alternaria Bacterial Leaf Spot Crown Rot Leaf Blight Leaf Spot Powdery Mildew	1-3 lbs.	Use higher rates for higher disease severity or when conditions are favorable for disease.
Tobacco (Field)	Blue Mold Tobacco Mosaic Virus	1-2 lbs.	Use higher rates for higher disease severity or when conditions are favorable for disease.
Tobacco (Float Beds)	Blue Mold Fusarium	1-2 lbs.	1-2 pounds per 1000 gallons of water of clean water as maintenance treatment. Use higher rates for highly contaminated water.
Tree Nuts including but not limited to: Almonds Brazil Nuts Cashews Filberts Macadamias Pecans Pistachios Walnuts	Almond Leaf Scorch Alternaria Anthracnose Brown Rot Bacterial Blight Bacterial Canker E. Filbert Blight Jacket Rot	6-8 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease. Dormant Applications: Use at higher rates in both spring and Fall.
Tropical Fruit, including but not limited to: Casaba Coconut Dates Guava Passion Fruit Poi Star Fruit	Alternaria Anthracnose Leaf Blight Powdery Mildew Sooty Mold Stem Rot	1-3 lbs.	For preventive sprays, spray on a 7-14 day schedule. Use higher rates for higher disease severity or when conditions are favorable for disease.

CHEMIGATION

Make a solution with GC Pro (refer to liquid application rates). 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.

General Requirements -

1) Apply this product only through a drip system or sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, hand move, flood (basin), furrow, border or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system.
2) Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
3) If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
4) Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
5) A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
6) Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.
7) Posting must conform to the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.
8) All words shall consist of letters at least 2.5 inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

Specific Requirements for Chemigation Systems Connected to Public Water Systems -

1) Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2) Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction.

There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

3) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4) The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
5) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6) Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7) Do not apply when wind speed favors drift beyond the are a intended for treatment.

Specific Requirements for Sprinkler Chemigation -

1) The system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3) The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5) The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6) Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being filled with a system interlock.
7) Do not apply when wind speed favors drift beyond the ar ea intended for treatment.

Specific Requirements for Flood (Basin), Furrow and Border Chemigation -

1) Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.
2) The systems utilizing a pressurized water and pesticide injection system must meet the following requirements:
   a. The system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
   b. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
   c. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

e. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

f. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being filled with a system interlock.

Specific Requirements for Drip (Trickle) Chemigation -

1) The system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3) The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5) The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6) Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being filled with a system interlock.

Application Instructions -

1) Remove scale, pesticide residues, and other foreign matter from the chemical supply tank and entire injector system. Flush with clean water. Failure to provide a clean tank, void of scale or residues may cause product to lose effectiveness or strength.
2) Determine the treatment rates as indicated in the directions for use and make proper dilutions.
3) Prepare a solution in the chemical tank by filling the tank with the required water and then adding product as required. The product will immediately go into suspension without any required agitation.
1) Do not apply GC Pro in conjunction with any other pesticides or fertilizers; this has the potential to cause reduced performance of the product. Avoid application in this manner.

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: 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 E PA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of sm oke.

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 extent consistent with applicable law, timing, unfavorable temperatures, water conditions, presence of other materials, method of application, weather, watering practices, nature of soil, disease problem, condition of crop, incompatibility with other chemicals, pre-existing conditions and other conditions influencing the use of this product are beyond the control of the seller. To the extent consistent with applicable law, buyer assumes all risks associated with the use, storage, or handl ing of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTIBILITY IS MADE.

OPTIONAL LABEL CLAIMS:

- Algaecide

- Fungicide
- Bactericide
- Granular
- Broad Spectrum
- Broad Spectrum Algaecide/Fungicide
- Broad Spectrum Bactericide/Fungicide
- Broad Spectrum Algaecide/Fungicide/Bactericide
- For indoor or outdoor uses.
- Preventative treatment for seeds, growing plants, fruits, nuts and vegetables.
- A treatment for the prevention and control of plant pathogenic diseases in field grown crops, commercial greenhouses, and storage sites.
- A post harvest treatment for the prevention and control of plant pathogenic diseases on all fruits and vegetables and other agricultural crops and commodities in dump tanks, hydro coolers and process waters.
- A treatment for the prevention and control of plant pathogenic diseases on surfaces, equipment and structures used in proces sing post-harvest commodities.
- Treats/controls algae & cyanobacteria.
- Preventative treatment for postharvest fruits, vegetables and other agricultural crops.
- 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, equipment and structures used in proces sing postharvest commodities.
- A treatment for the prevention and suppression / control of horticultural 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 prevention and control of algae, bacteria and fungus on surfaces, equipment and structures.
- Treats/controls algae, 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 maintenance rates at a frequency appropriate for your environmental conditions.

Sublabel B: Turf Applications

GC Pro

Active Ingredient:
Sodium Carbonate Peroxyhydrate* 85.00%
Other Ingredients: 15.00%
Total: 100.00%
*Contains 27.60% Hydrogen Dioxide 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.)

FIRST AID	
If in eyes	• Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 – 20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	• Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
HOTLINE NUMBER	
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 medial treatment information.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

EPA Registration No. 70299-XX
EPA Establishment No. XXX

Manufactured by:
BioSafe Systems
22 Meadow Street, East Hartford, CT 06108
Tel.: (888) 273-3088
Net Contents:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMAN 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 P PE 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.

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 m ay be in the area during application.

Avoid use near shallow w aterbody margins during am phibian breeding seasons.

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 s prays have dried or dusts have settled.

FOR USE ON TURF GRASSES:
Apply GC Pro to well-established lawns, golf course fairways, greens, and tees to control / suppress algae, bacterial and fungal diseases, 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.

ALGAE, MOSS AND SLIME MOLD TREATMENT:
Use GC Pro for the prevention and control of algae, fungi, moss, slime molds and their spores.

TURF DISEASE TREATMENT:
Use GC Pro for the prevention and control of Snow Mold, Brown Batch, Summer Patch, Fairy Ring, Dollar Spot, *Pythium*, and *Phytophthora*.

Application Directions
1. Make a liquid solution of GC Pro by diluting ½ lb. of the granular concentrate 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 concentrate for each gallon of water. GC Pro may be applied in the same area up to 3 consecutive days.
4. Repeat treatment as needed.

The optimum application time is early morning or late afternoon.

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 concentrate 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 as needed.

FOR USE ON TURF EQUIPMENT AND TOOLS: Use GC Pro to suppress / control the spread of plant pathogens, bacteria, 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.

NOTICE: A broad spectrum of plant and turf species have been found to be tolerant to 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 DISPOSAL: 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 E PA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinses (or equivalent). Then offer for recycling or dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities by burning. If burned, stay out of smoke.

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 extent consistent with applicable law, timing, unfavorable temperatures, water conditions, presence of other materials, method of application, weather, watering practices, nature of soil, disease problem, condition of crop, incompatibility with other chemicals, pre-existing conditions and other conditions influencing the use of this product are beyond the control of the seller. To the 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. To the extent consistent with applicable law, NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTIBILITY IS MADE.

OPTIONAL LABEL CLAIMS:

- Algaecide
- Fungicide
- Bactericide
- Granular

- Broad Spectrum
- Broad Spectrum Algaecide/Fungicide
- For indoor or outdoor uses.
- Preventative treatment for turf.
- Treats/controls algae, bacterial and fungal diseases, and the conditions that these organisms may cause.
- For the prevention and control of plant pathogens, algae, 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, bacteria, algae, fungi and slime forming algae on equipment and tools.
- Easy to use.