V4.1

Etiqueta en español

SaniDate® 12.0

Escanea el código QR para la etiqueta en español

SPECIMEN LABEL

FOR COMMERCIAL USE • *CALIFORNIA*

EPA REGISTRATION NO. 70299-18

ACTIVE INGREDIENTS:

Hydrogen Peroxide	18.5%
Peroxyacetic Acid	12.0%
OTHER INGREDIENTS:	69.5%
TOTAL:	100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER – *PELIGRO*

STRONG OXIDIZING AGENT

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 inhaled

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for treatment advice.

If swallowed

- Call a 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 the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

HOTLINE NUMBER

For information on SaniDate 12.0, including general health concerns or pesticide incidents, call the National Pesticide Information Center at 1-800-858-7378, Monday through Friday, 8:00 AM to 12:00 PM Pacific Standard Time. In the event of a medical emergency, call your poison control center at 1-800-222-1222.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: CORROSIVE. Causes irreversible eye damage. Causes skin burns. May be fatal if inhaled or absorbed through skin. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Do not breathe vapors or spray mist. Wear a minimum of a NIOSH-approved elastomeric half mask respirator with organic vapor (OV) cartridges and a combination N, R or P filter; OR a NIOSH-approved gas mask with OV canisters; OR a NIOSH-approved power air-purifying respirator with OV cartridges and combination HE filters.

Wear chemical resistant goggles, rubber gloves and protective clothing when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PHYSICAL AND CHEMICAL HAZARDS

Corrosive. Strong oxidizing agent. Do not use in concentrated form. Mix only with water in accordance with label instructions. Never bring concentrate in contact with other pesticides, cleaners or oxidative agents.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and handlers must wear coveralls over long-sleeved shirt, long pants, and chemical resistant footwear plus socks. When mixing and loading wear a chemical resistant apron. For overhead exposure wear chemical-resistant headgear. Wear protective eyewear (goggles, face shield, or safety glasses) and chemical resistant gloves. When cleaning equipment wear a chemical resistant apron.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.

ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

USER SAFETY RECOMMENDATIONS

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 and fish. For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

This product is highly toxic to bees and other pollinating 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 or other pollinating insects 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 discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the

requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product through any irrigation system unless the chemigation instructions on this label are followed. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. For any requirements specific to your state or tribe, consult the State or Tribal agency responsible for pesticide regulation.

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

For enclosed environments:
There is a Restricted-Entry Interval of one (1) hour for this product when applied via spraying to surfaces, equipment, structures and non-porous surfaces in enclosed glasshouses and greenhouses. PPE required 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 Interval of zero (0) hours for pre-plant dip, seed treatment, soil drench, mop, sponge, dip, soak, rinse or other non-spraying application methods when used in enclosed environments such as glasshouses and greenhouses.

For field applications:
There is a Restricted-Entry Interval of zero (0) hours for pre-plant dip, seed treatment, soil drench or other non-spraying application methods. Keep unprotected persons out of treated areas until sprays have dried.

Exception:
If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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.

PRODUCT INFORMATION

- For use in agricultural, horticultural and irrigation water treatment applications.
- For the treatment of water for industrial and commercial water treatment systems.
- For the treatment of fruit, nut and vegetable processing waters.
- For use in food processing operations.

SaniDate 12.0 works best when diluted with water containing low levels of organic or inorganic materials. Thoroughly rinse out tank with water before mixing concentrate. SaniDate 12.0 will readily mix with clean water and does not require agitation.

SaniDate 12.0 is effective on the use sites listed which are manufactured from the following materials; linoleum, formica, vinyl, glazed porcelain, plastic, sealed fiberglass, polyethylene, CPVC, PVC, aluminum, steel, stainless steel, sealed wood, glazed tile, and glass.

AGRICULTURAL USES

PREHARVEST INTERVAL: PHI = Zero (0) Days. SaniDate 12.0 can be applied through an irrigation system or spraying equipment up to and including the day of harvest.

APPLICATION METHODS

Chemigation: This product can be applied through sprinkler (center pivot, lateral move, end tow, side (wheel) roll, traveler, solid set or hand move) or drip-type irrigation systems. Refer to the **Chemigation** section of this label for additional directions and precautions.

Liquid Treatment: Surface spray (or inject) spray solution on the water surface from shore or a boat equipped with aquatic spray or injection equipment. Use in accordance with manufacturer's spray equipment instructions.

Injection Treatment: Inject solution into the water via compatible dosing equipment.

Ground: This product can be applied by commonly used ground equipment, such as air blast, hose-end, hydraulic, pressurized, greenhouse and handheld sprayers. Use proper spray pressure, gallonage per acre, nozzles, nozzle spacing and ground speed.

Compatibility: SaniDate 12.0 is compatible as a direct injection or tank-mix with many commonly used pesticides, fertilizers, and adjuvants. SaniDate 12.0 has not been tested with all potential tank-mix partner products, as such do not direct inject or tank mix SaniDate 12.0 into the irrigation system or in the spray tank with pesticides, adjuvants, or fertilizers before conducting a jar test to confirm it is physically compatible and poses no adverse tank-mixing reactions. Conduct a jar test before mixing SaniDate 12.0 with other pesticides, fertilizers, or adjuvants to determine compatibility before use. Mix each component in the correct proportions and shake or stir vigorously. If any adverse reactions occur in the jar, products should be considered incompatible.

SaniDate 12.0 may have a deleterious effect on biological based biopesticides, especially those biopesticides containing living organisms. Be sure to consult all biopesticide product labels to ensure compatibility before tank-mixing these products with SaniDate 12.0.

Contact BIOSAFE SYSTEMS for more detailed tank-mix instructions and to learn more about product interactions prior to mixing and applying tank-mix solutions. Always read and follow label instructions for all products specific to additional information or restrictions concerning tank-mixing. Observe the most restrictive limitations and precautions of the labeling of all products used in mixtures.

FOR THE REDUCTION AND CONTROL OF FOODBORNE BACTERIAL PATHOGENS IN PREHARVEST AGRICULTURAL WATER

Use SaniDate 12.0 to reduce and control foodborne pathogens in preharvest agricultural water. To control Shiga-toxin producing *Escherichia coli*, including O157:H7 and *Salmonella enterica*, apply this product through sprinkler or drip irrigation systems, including flood irrigation systems. Use SaniDate 12.0 at a minimum dilution rate of 1:22,069 up to 1:13,196 (5.8-9.7 fl. oz. per 1,000 gallons of water); equivalent to approximately 6-10 ppm of peroxyacetic acid, with a minimum contact time of 5 minutes. Confirm residual ppm throughout the distribution system during treatment. It is recommended to use current AOAC and/or Standard Methods (https://www.epa.gov/dwanalyticalmethods) for confirmation of residual PAA in water post treatment (e.g. test strip, titration, or other method.) Do not irrigate with untreated irrigation water after treatment. Use this product on any crop during all phases of crop production including pre-

plant irrigation and throughout the crop cycle. **Contact your BioSafe Systems Technical Representative for additional support.**

CONTROL OF ALGAL, FUNGAL, AND SLIME-FORMING, BACTERIAL GROWTH IN AGRICULTURAL IRRIGATION SYSTEMS AND WATER

TREATMENT OF AGRICULTURAL IRRIGATION SYSTEMS AND WATER

Use SaniDate 12.0 to control algae, slime-forming bacteria, fungi and plant pathogenic organisms in agricultural irrigation systems and water.

TREATMENT OF AGRICULTURAL IRRIGATION SYSTEMS

To clean contaminated irrigation systems, including sprinkler (solid set, center pivot, lateral move, end tow, side (wheel) roll, traveling big gun or hand move) and drip/micro irrigation system, fill irrigation lines with a SaniDate 12.0 solution using a dilution of 1:600-1:5,000 and allow a contact time of 6-12 hours or overnight if possible. Open ends of irrigation lines and flush with irrigation water. Repeat the treatment as necessary. Refer to Chemigation Instructions for specific instructions on using this product through irrigation systems.

TREATMENT OF AGRICULTURAL IRRIGATION WATER AND DRAINAGE DITCHES

Use SaniDate 12.0 at the following rates to suppress/control slime-forming bacteria, algae and fungi/oomycetes in irrigation water and drainage ditches.

- Bacteria: 3.2-128 fl. oz. per 1,000 gallons of water (1:40,000-1:1,000 dilution)
- Algae: 6.4-25.6 fl. oz. per 1,000 gallons of water (1:20,000-1:5,000 dilution). Apply more often during periods of higher water temperatures.
- Fungi/oomycetes: 8.53-25.6 fl. oz. per 1,000 gallons of water (1:15,000-1:5,000 dilution)

Product can be simply added to the body of water.

TREATMENT OF WATER DRAWN FROM OPEN AND CLOSED WATER SOURCES USED FOR DUST ABATEMENT

Use SaniDate 12.0 at the following rates to suppress/control slime-forming bacteria, algae and fungi/oomycetes in water drawn from open and closed water sources such as wells, streams, ponds, reservoirs, irrigation canals, irrigation water and drainage ditches used to control dust on unpaved gravel and dirt roads.

- Bacteria: 3.2-128 fl. oz. per 1,000 gallons of water (1:40,000-1:1,000 dilution)
- Algae: 6.4-25.6 fl. oz. per 1,000 gallons of water (1:20,000-1:5,000 dilution)
- Fungi/oomycetes: 8.53-25.6 fl. oz. per 1,000 gallons of water (1:15,000-1:5,000 dilution)

Prepare the mixture at least 5 minutes prior to application for dust abatement. Apply to the road surface using a water truck (or tractor or spraying device) equipped with a watering system.

TREATMENT OF AGRICULTURAL IRRIGATION WATER USED FOR FRUIT, VEGETABLE AND ROW CROPS

Use SaniDate 12.0 to treat irrigation water during all phases of crop production including pre-plant irrigation and throughout the crop cycle to suppress/control slime-forming bacteria, algae, fungi, and fungi-like organisms (such as water molds) in irrigation water used for fruit, vegetable and row crop production. SaniDate12.0 can be used up to and including the day of harvest.

- Bacteria: 3.2-128 fl. oz. per 1,000 gallons of water (1:40,000-1:1,000 dilution)
- Algae: 6.4-25.6 fl. oz. per 1,000 gallons of water (1:20,000-1:5,000 dilution)
- Fungi/oomycetes: 8.53-25.6 fl. oz. per 1,000 gallons of water (1:15,000-1:5,000 dilution)

Apply this product as a direct injection into the water at the point of intake and applied through a sprinkler system (including solid set, center pivot, lateral move, end tow, side (wheel) roll, traveling big gun or hand move), drip/micro irrigation system, flood (basin), or furrow. For best results, treat water every time crop is irrigated or at a minimum during the last 2-3 irrigations prior to harvest.

FOR TREATMENT OF IRRIGATION WATER TO SUPPRESS/CONTROL BACTERIA

For treatment of irrigation water as a continuous injection, use a dilution rate of 1:40,000-1:1,000 (3.2-128 fl. oz. of SaniDate 12.0 per 1,000 gallons of water; equivalent to 3.3-134 ppm of peroxyacetic acid).

POSTHARVEST APPLICATIONS

SaniDate 12.0 may also be used to control the growth of spoilage and decay causing bacterial and fungal diseases on fruits and vegetables in post harvest storage. Mix SaniDate 12.0 with water either batch-wise or continuously at a rate of 25.6 to 107.0 fl. oz. of SaniDate 12.0 solution to 1,000 gallons water. This will provide 200 to 833 ppm of SaniDate 12.0, or 24 to 100 ppm peroxyacetic acid in the use solution. For post harvest applications, fruits and vegetables can be sprayed or submerged in the resulting solution for a minimum contact time of 45 seconds, followed by adequate draining. Do not rinse.

CONTROL OF SPOILAGE AND DECAY CAUSING ORGANISMS IN PROCESS WATERS

SaniDate 12.0 can be used in water or ice that contacts raw or fresh, postharvest, or further processed fruits and vegetables for the control of spoilage and decay causing non-public health organisms.

TREATMENT OF FRUIT AND VEGETABLE PROCESSING WATERS

Use SaniDate 12.0 for the treatment of waters used in the processing of raw fruits, nuts and vegetables, sprouts and seeds. Mix SaniDate 12.0 with water either batch-wise or continuously at a rate of 25.6 to 107.0 fl. oz. of SaniDate 12.0 solution to 1,000 gallons water. This will provide 200 to 833 ppm of SaniDate 12.0, or 24 to 100 ppm peroxyacetic acid in the use solution. The fruits and vegetables can be sprayed or submerged in the resulting solution for a minimum contact time of 45 seconds, followed by adequate draining. At this use dilution, SaniDate 12.0 will control the growth of spoilage and decay causing organisms in process waters and on the surface of fresh cut or post harvest fruits and vegetables. Do not rinse.

TREATMENT OF PROCESSED FRUIT AND VEGETABLE SURFACES TO CONTROL GROWTH OF NON-PUBLIC HEALTH MICOORGANISMS THAT CAN CAUSE SPOILAGE

Add SaniDate 12.0 at a dilution rate of 4.0 ounces per 100 gallons of water. Ensure that the solution is thoroughly mixed. This provides 59 ppm of hydrogen peroxide and 38 ppm of peroxyacetic acid. Apply the solution as a spray or dip. Allow a minimum contact time of 45 seconds. This use complies with the requirements of 21 CFR 173.315 (a) (5). A potable water rinse is not required following application of the diluted solution.

Note: May cause bleaching of treated surfaces, test commodity if unsure.

CONTROL OF ALGAL GROWTH IN CONTAINED WATER SYSTEMS

To suppress, control and prevent algae in the following contained waters: Ornamental Pools/Ponds, Ornamental Waterfalls, Fountains, Waterways, Conveyance Ditches, Canals, Laterals, Drainage Systems, Catch Basins, Sewage Lagoons and Pits, Sewage Systems, Fire Ponds, Storage Tanks, Water Collectors.

Application Rates: 1:5,000-1:20,000.

Liquid Treatment: Surface spray (or inject) spray solution on the water surface from shore or a boat equipped with aquatic spray or injection equipment. Use in accordance with manufacturer's spray equipment instructions.

Injection Treatment: Inject solution into the water via compatible dosing equipment.

CONTROL OF ALGAL, FUNGAL AND SLIME-FORMING BACTERIAL GROWTH ON NON FOOD CONTACT GREENHOUSE WATERING SYSTEMS

TREATMENT OF GREENHOUSE SURFACES AND EQUIPMENT

(such as glazing, plastic, pots, flats, trays, cutting tools, benches, work

areas, walkways, floors, walls, fan blades, watering systems, coolers, storage rooms, structures and equipment). Clean surfaces before treatment. Sweep and remove all plant debris, and use power sprayer to wash all surfaces to remove loose dirt. Use a dilution of 1:600 of SaniDate 12.0 for all non-porous surfaces that have been pre-cleaned with water. Apply solution with mop, sponge, power sprayer or fogger to thoroughly wet all surfaces. Cutting tools may be soaked to ensure complete coverage. Allow surfaces to stay wet with solution for a minimum of five (5) minutes. Heavy growths of algae and fungi may have to be scrubbed off following application. Repeat treatment as required to maintain control.

TREATMENT OF GREENHOUSE EVAPORATIVE COOLERS

Treat contaminated surfaces with a dilution of 1:600 of SaniDate 12.0. Allow surfaces to stay wet with the solution for a minimum of five (5) minutes.

TREATMENT OF GREENHOUSE EVAPORATIVE COOLER WATER

For maintenance, treat cooler water by continuously injecting a dilution of 1:5,000-1:2,000 of SaniDate 12.0; 0.26-0.64 fl. oz. for 10 gallons of cooling water.

To shock evaporative cooling water apply SaniDate 12.0 at a 1:600 dilution once a week.

TREATMENT OF GREENHOUSE IRRIGATION SYSTEMS AND NON-POTABLE WATERS

TREATMENT OF GREENHOUSE IRRIGATION SYSTEMS

Use SaniDate 12.0 to control algae, slime-forming bacteria, fungi and plant pathogenic organisms in greenhouse irrigation systems. For shock treatment of irrigation systems (flooded floors, flooded benches, recycled water systems, drip (trickle), capillary mats, sprinkler systems, humidification and misting systems) use a dilution rate of 1:100-1:1,000. Allow solution to remain in lines for 12-48 hours. Flush by opening flush valves or laterals to avoid clogging emitters.

TREATMENT OF GREENHOUSE IRRIGATION WATER TO CONTROL SLIME-FORMING BACTERIA

For treatment of irrigation water as a continuous injection, use a dilution rate of 1:40,000-1:5,000 (3.2-25.6 fl. oz. of SaniDate 12.0 per 1,000 gallons of water; equivalent to 3.3-26.0 ppm of peroxyacetic acid).

POULTRY, SWINE, AND LIVESTOCK WATERING OPERATING SYSTEMS

After water lines have been cleaned, use SaniDate 12.0 at 0.39-0.58 fl. oz. per 100 gallons of water, or a dilution rate of 1:32,820-1:22,069 to control bacteria in drinking water and to control mineral build up in watering lines.

CHEMIGATION INSTRUCTIONS

General Requirements

1. Apply this product only through a drip system or sprinkler system, including flood, and drip (trickle) irrigation systems.
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 area 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 area intended for treatment.

Specific Requirements for Flood 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 until no scale or pesticide residues are present. Failure to provide a clean tank, void of scale or residues may cause product to lose effectiveness or strength.
2. Follow the application rates and frequency as indicated in the directions for use.
3. SaniDate 12.0 can be direct injected from the original container. Use only compatible injection equipment and materials when injecting SaniDate 12.0 into the irrigation system.
4. SaniDate 12.0 can be direct injected through a separate injection port in conjunction with other pesticides or fertilizers. Once properly diluted, SaniDate 12.0 will not interact with other commonly used pesticides or fertilizers at recommended rates. For injection of SaniDate 12.0 in conjunction with metal-based fungicides, biological based pesticides or organic fertilizers consult your BioSafe Systems technical representative for specific instructions.

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.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. 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:

For non-refillable containers equal to or less than 5 gallons: Nonrefillable container. Do not reuse or refill this container. 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 recap. Shake 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

For non-refillable containers greater than 5 gallons: Nonrefillable container. Do not reuse or refill this container. 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. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

For refillable containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

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. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury 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. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold BIOSAFE SYSTEMS LLC and Seller harmless for any claims relating to such factors, to the extent consistent with applicable law.

BIOSAFE SYSTEMS LLC 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 LLC, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BIOSAFE SYSTEMS LLC MAKES NO WARRANTIES OF MERCHANTABILITY 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 LLC 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 LLC 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 LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

BIOSAFE SYSTEMS LLC 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 LLC.

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