

70299-2

4/4/2007

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

APR 04 2007

11501582

Amy Plato Roberts  
Regulatory Consultant  
Technology Sciences Group  
1101 17<sup>th</sup> Street, N.W. Suite 500  
Washington, D.C. 20036

**Subject:** Your application of notification dated January 4, 2007 to correct certain typographical errors appearing on label.  
**Product Name:** Oxidate Broad Spectrum Bactericide/Fungicide  
**EPA Reg. #** 70299-2 (EPA Submission # 804118)

Dear Ms. Roberts:

The Biopesticides and Pollution Prevention Division is in receipt of the above referenced application for notification under Pesticide Registration Notice (PRN) 98-10. A preliminary screen of this request has been conducted for its applicability and the Agency has determined that the actions requested are acceptable as follows:

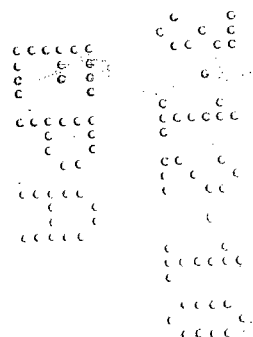
1. **Page 3, Directions for Use, bullet 3** – your correction of final sentence to read “Excessive bubbling and/or pressure are indications of incompatibility. (acceptable)
2. **Page 7 – under header “treatment for nonpotable water systems”** – your correct of last line to read ... a dilution rate of 1:1000. (acceptable).

If you have questions, or need additional information, please contact: Cheryl Greene, 703 308 -0352; Email: [greene.cheryl@epa.gov](mailto:greene.cheryl@epa.gov).

Sincerely,

*Linda A. Hollis*

Linda A. Hollis, Chief  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)



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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0080. Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 70299-2	2. EPA Product Manager Linda Hollis	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) OxiDate Broad Spectrum Bactericide/Fungicide	PM# 91/Biochemical Pesticides Br/BPPD	
5. Name and Address of Applicant (Include ZIP Code) BioSafe Systems 22 Meadow Street East Hartford, CT 06108 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of five (5) copies of an updated Final Printed label for the product.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container	Other (Specify) _____
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 2.5, 5, 30, 55, 275 gallons		5. Location of Label Directions <input checked="" type="checkbox"/> on container label	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

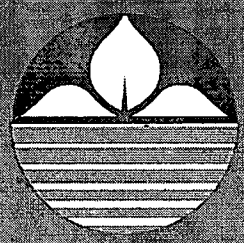
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Donna Bishel / dbishel@biosafesystems.com	Title Technical Director	Telephone No. (Include Area Code) (410) 878-7700
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Technical Director	
4. Typed Name Donna Bishel / dbishel@biosafesystems.com	5. Date February 24, 2010	



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BioSafe Systems LLC

See packet for full instructions



# OXIDATE®

Broad Spectrum Bactericide/Fungicide

## PREVENTION & CONTROL OF PLANT PATHOGENIC DISEASES

### ACTIVE INGREDIENT:

Hydrogen Dioxide .....	27.00%
OTHER INGREDIENTS .....	73.00%
TOTAL .....	100.00%

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

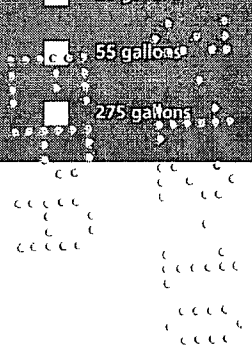
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

BioSafe Systems, LLC • East Hartford, CT 06108 • 1-888-273-3088 (toll-free) • EPA Registration No. 70299-2 • EPA Establishment No. 067441-IL-001

FIRST AID	
<b>If in eyes</b>	• 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
<b>If on skin or clothing</b>	• 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
<b>If swallowed</b>	• 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 the poison control center or doctor • Do not give anything by mouth to an unconscious person
<b>If inhaled</b>	• 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
<b>HOTLINE NUMBER:</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information. <b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage. See inside panel for additional precautionary statements and directions for use.	

### Net Contents:

- 1 gallon
- 2.5 gallons
- 30 gallons
- 55 gallons
- 275 gallons





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.

**FOR AGRICULTURAL AND COMMERCIAL USE ONLY**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMAN AND DOMESTIC ANIMALS – DANGER:** Corrosive. Concentrate causes irreversible eye damage. Concentrate may be fatal if swallowed or absorbed through skin. Concentrate causes skin burns or temporary discoloration on exposed skin. Do not breathe vapor of concentrate. Do not get concentrate in eyes, on skin or on clothing. Wear protective eyewear such as goggles or face shield. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

When handling concentrate wear protective eyewear (goggles or face shield) and rubber gloves. Applicators and handlers must wear coveralls over long-sleeved shirt, long pants, and chemical resistant footwear plus socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

Users should wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

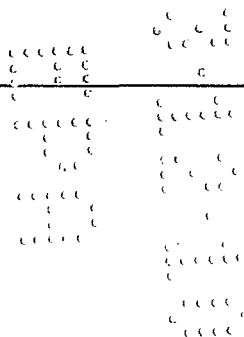
**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to birds and fish. Do not contaminate water when disposing of equipment washwaters or rinsate. Exposed treated seed may be hazardous to birds and other wildlife. Dispose of all excess treated seed and seed packaging by burial away from bodies of water.

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.

**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.



**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 in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

fogging application methods when used in enclosed environments such as glasshouses and greenhouses.

**For field applications:**  
Keep unprotected persons out of treated areas until sprays have dried.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about Personal Protective Equipment (PPE), notification to workers, and Restricted-Entry Interval (REI). The requirements in this box only apply to the uses of this product that are covered by the Worker Protection Standard.

**For enclosed environments:**

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

There is a restricted entry of zero (0) hours for pre-plant dip, seed treatment, soil drench, mop, sponge, dip, soak, rinse or other non-spraying or

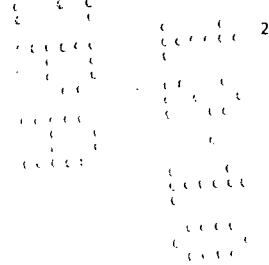
**NON-AGRICULTURAL USE REQUIREMENTS**

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.

**DIRECTIONS FOR USE:**

- OxiDate 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 concentrate. OxiDate will readily mix with clean, neutral water and does not require agitation.
- 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.
- OxiDate is formulated with a minimal amount of surfactant for plants having waxy or hairy surfaces. The use of additional surfactant is acceptable.
- OxiDate works by surface contact with the plants and materials being treated. It is important to ensure that all surfaces are thoroughly wetted. OxiDate does not



produce any visible residue, distinct odor or deleterious effects to plants or to postharvest commodities when used in accordance with label directions. Do not use at stronger than suggested dilution rates as leaf burn may result.

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

Do not apply this product through any irrigation system unless directed by the label; refer to Chemigation Directions for Use.

**APPLICATION DIRECTIONS:**

**Pre-Plant Dip Treatment:**

Use OxiDate for the control of damping-off, root disease and stem rot disease caused by *Pythium*, *Phytophthora*, *Rhizoctonia*, *Fusarium* or *Thielaviopsis*, on seeds, seedlings, bulbs, or cuttings.

- 1) Mix 64-fl. oz. OxiDate per 50 gallons of water.
- 2) Immerse plants or cuttings; remove and allow to drain. Do not rinse.

**Seed Treatment:**

Use OxiDate for the control of damping-off, root disease and stem rot disease caused by *Pythium*, *Phytophthora*, *Rhizoctonia*, *Fusarium* or *Thielaviopsis*, on seeds of seed sprout crops such as mung bean, red clover, soybeans and alfalfa, and on crops grown exclusively for seed for planting.

- 1) Mix 64-fl. oz. OxiDate per 50 gallons of water.
- 2) Immerse seeds and let soak for two minutes; remove and allow to drain. Do not rinse.

Do not use treated seed for food or feed purposes or process for oil. Treat only those seeds needed for immediate use, minimizing the interval between treatments at planting. Do not store excess treated seeds beyond planting time.

Seed treatment on agricultural establishments in hopper-box, planter-box or other seed treatment application at or immediately before planting is within the scope of WPS, while commercial treatment of seeds is not within the scope.

**Soil Drench:**

OxiDate is effective for the control of soil-borne plant diseases such as *Pythium*, *Phytophthora*, *Rhizoctonia*, *Thielaviopsis* or *Fusarium*. Use as a soil drench at the time of seeding or transplanting, as well as a periodic drench throughout the plant's life. Use OxiDate on potting soil and growing mediums prior to planting.

- 1) Mix 1-1/4 fl. oz. OxiDate per gallon of clean water.
- 2) Apply to soil or growing media to the point of saturation.
- 3) Wait fifteen minutes before planting or watering.

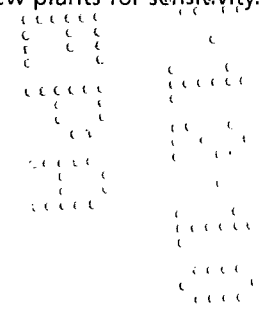
**Foliar Spray Treatments for field grown crops, crops grown in commercial greenhouses or crops grown in other similar sites:**

OxiDate works immediately on contact with any plant surface for control of plant diseases – see Application Instructions chart. Good coverage and wetting of the foliage is required.

**FOLIAR APPLICATIONS:**

**Plant Sensitivity Testing:**

For foliar applications, be sure to use OxiDate at labeled dilutions as solutions more concentrated can result in leaf necrosis for some crops (i.e., do not use dilutions stronger than 1:100 for foliar treatments). OxiDate has been designed to provide a balanced source of the active ingredient directly to the plant surface. OxiDate 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 OxiDate. Therefore, before treating large numbers of plants, test OxiDate on a few plants for sensitivity.



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

**FOR CLEAN, NON-POROUS SURFACES:**

**Pots, Flats, Trays:**

Use a dilution of 1:100 - 1:300 or 1-1/4 fl oz. - 1/2 fl. oz. of OxiDate per gallon of clean water. Spray until runoff. The use of additional surfactant is acceptable.

**Cutting Tools:**

Use a dilution of 1:100 - 1:300 or 1-1/4 fl oz. - 1/2 fl. oz. of OxiDate per gallon of clean water. Soak tools to ensure complete coverage. The use of additional surfactant is acceptable.

**Benches and Work Areas:**

Sweep and remove all plant debris. Use power sprayer to wash all surfaces to remove loose dirt. Use a dilution of 1:100 - 1:300 or 1-1/4 fl oz. - 1/2 fl. oz. of OxiDate per gallon of clean water. Use a dilution of 1:50 or 2-1/2 fl. oz. of OxiDate per gallon of clean water if surfaces that are to be treated have not been pre-cleaned with water to remove organic deposits. The use of additional surfactant is acceptable.

**For surfaces, equipment and structures:**

Use OxiDate to suppress / control bacteria, fungi and slime forming algae on surfaces, equipment, and structures such as: plastic, benches, walkways, floors, walls, 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. Follow treatment of any food contact surfaces, equipment or structures with a potable water rinse.

- 1) Sweep and remove all plant debris. Use power sprayer to wash all surfaces to remove loose dirt and/or organic material.
- 2) Use a dilution of 1:100 - 1:300, or 1-1/4 fl oz. - 1/2 fl. oz., of OxiDate per gallon of clean water. Use a dilution of 1:50 or 2-1/2 fl. oz. of OxiDate per gallon of clean water if surfaces that are to be treated have not been pre-cleaned with water to remove organic deposits. The use of additional surfactant is acceptable.
- 3) Apply solution with mop, sponge, power sprayer or fogger to thoroughly wet all surfaces.

Fog enclosed areas as an adjunct to manual surface application. Wear protective eyewear (goggles or face shield) when fogging. Prior to fogging, pre-clean surfaces with water to remove any organic deposits. Fog the desired areas using dilution rates of 1:100 - 1:300, or 1-1/4 fl oz. - 1/2 fl. oz., of OxiDate using any type of fogging equipment including but not limited to cold foggers, thermal foggers, low pressure air assisted and high pressure fog systems. Solutions are corrosive to materials that are easily oxidized such as natural rubber, copper, galvanized and black iron pipe. Test solutions on surfaces prior to use.

- 4) Follow treatment of any food contact surfaces, equipment or structures with a potable water rinse.
- 5) Scrub off heavy growths of algae and fungi following application. Use a solution of OxiDate to wash away dead growth.
- 6) Reapply often for control.

**For foot bath mats:**

Make a solution using 3/4 fl. oz. of OxiDate per gallon of water and fill foot bath mat to capacity. Change solution as needed.

**FOAMING APPLICATIONS:**

Apply OxiDate as a foam treatment to enhance contact on porous surfaces, vertical surfaces and irregular surfaces such as metal grating and structural steel where contact is difficult to maintain with coarse spray treatments. Add a foaming agent to the spray tank that

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contains the diluted OxiDate solution. Apply foam until the surface treated is completely covered. Allow foam treated surface to air dry. Do not rinse.

**For stock tanks and livestock water:**

Use OxiDate to suppress / control algae, bacteria and fungi in stock tanks, stock watering ponds, tanks and troughs, and livestock water. Apply 2 fluid ounces of OxiDate per 250 gallons of water for algae control. Product can be simply added to the body of waters as the residual control will allow for even distribution throughout the water column. Where existing algae mats are present at time of treatment, the most effective control will be obtained by breaking up mats and/or evenly dispersing diluted OxiDate over the algae mats. Apply OxiDate as needed to control and prevent algae growth; apply more frequently applications in times of higher water temperatures.

Drip system application for livestock watering tanks: Tanks fed by a continuous flow of spring or well water can be equipped with a chemical drip system designed to meter-in OxiDate based upon water flow rates. Pre-dilute OxiDate at a 100:1 rate or 4-mL/minute water flow rate. Treat continuously or as needed to control and prevent algae regrowth.

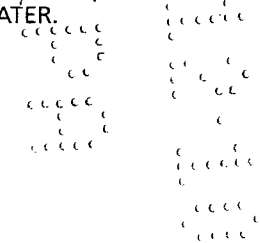
**CHEMIGATION:**

**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.





- 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.

- 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.

**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

**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.
- 4) Do not apply OxiDate 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:

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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 EPA 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 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. Timing, method of application, weather, watering practices, nature of soil, potting medium, 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. Buyer assumes all risks associated with the use, storage, or handling of this material not in strict accordance with directions given herewith. **NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY IS MADE.**

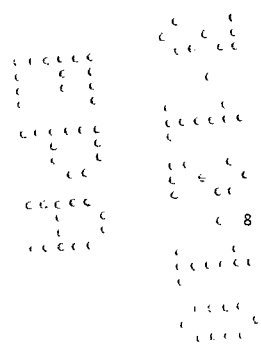
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# BiSafe Systems L.L.C.

For additional information on OxiDate,  
call us toll-free: 1-888-273-3088

or visit our website:  
[www.biosafesystems.com](http://www.biosafesystems.com)

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**APPLICATION INSTRUCTIONS**

Crops	Disease	Dilution Rate	Application Rate	Directions
Asparagus	Phytophthora	1:100	128 fl. oz. of OxiDate per 100 gallons of water; apply 30-100 gallons of spray solution per treated acre.	Spray diseased plants using 128 fl. oz. of OxiDate per 100 gallons of water for one to three consecutive days and continue treatments on five to seven day intervals.
Bananas Plantains	Sigatoka			
Berries, including but not limited to: Blackberry Blueberry Cranberry Raspberry Strawberry <i>(see Strawberry Application Instructions)</i>	Alternaria Angular Leaf Spot Botrytis Crown Rot Downy Mildew Fruit Rot Leaf Blight Powdery Mildew			
Celery	Early Blight Late Blight			
Cole Crops, including but not limited to: Broccoli Brussels Sprouts Cabbage Cauliflower Collards	Alternaria Leaf Spot Downy Mildew Early Blight Late Blight Powdery Mildew			
Garlic Leeks Onions Green Onions Scallions Shallots	Botrytis Downy Mildew Powdery Mildew			
Grapes	Black Rot Botrytis Downy Mildew Powdery Mildew Sour Rot			
Leafy Vegetables	Brown Rot Botrytis Downy Mildew Early Blight Late Blight Phytophthora Powdery Mildew Rust	1:100 - 1:300	40-128 fl. oz. of OxiDate per 100 gallons of water; apply 30-100 gallons of spray solution per treated acre.	Begin when plants are small. Apply first three treatments using the curative rate at 5-day intervals. Reduce rate to 40 fl. oz. of OxiDate per 100 gallons of water after the completion of third treatment and maintain 5-day interval spray cycle until harvest.

Dilution Rates, Application Rates and Directions Apply to all Crops and Diseases listed at left

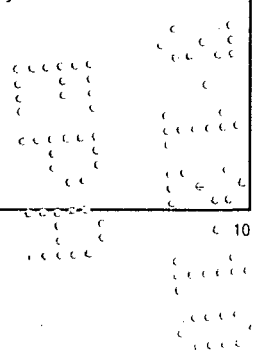
**CURATIVE:**

**PREVENTIVE:**

14/23

**APPLICATION INSTRUCTIONS**

Crops	Disease	Dilution Rates, Application Rates and Directions Apply to all Crops and Diseases listed at left	Dilution Rate	Application Rate	Directions
<b>CURATIVE:</b>					
Peanuts	Early Blight Late Blight Rust		1:100	128 fl. oz. of OxiDate per 100 gallons of water; apply 30-100 gallons of spray solution per treated acre.	Spray diseased plants using 128 fl. oz. of OxiDate per 100 gallons of water for one to three consecutive days and continue treatments on five to seven day intervals.
Pome Fruit, including but not limited to: Apples Pears	Powdery Mildew Rusts Scab				
Potatoes	Early Blight Late Blight				
Root Crops, including but not limited to: Beets Carrots Ginseng Horseradish Swt. Potato Yams	Alternaria Crown Rot Early Blight Late Blight				
Sugar Beets	Alternaria Bacterial Leaf Spot Crown Rot Leaf Blight Leaf Spot Powdery Mildew Rhizoctonia				
<b>PREVENTIVE:</b>					
Tobacco (Field)	Blue Mold		1:100 - 1:300	40-128 fl. oz. of OxiDate per 100 gallons of water; apply 30-100 gallons of spray solution per treated acre.	Begin when plants are small. Apply first three treatments using the curative rate at 5-day intervals. Reduce rate to 40 fl. oz. of OxiDate per 100 gallons of water after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
Tropical Fruit, including but not limited to: Casaba Coconut Dates Guava Kiwi Mango Passion Fruit Pineapple Poi Star Fruit	Alternaria Anthracnose Leaf Blight Powdery Mildew Rhizoctonia Sooty Mold Stem Rot				



**APPLICATION INSTRUCTIONS (ALPHABETICAL BY CROP)**

<b>Crops</b>	<b>Disease</b>	<b>Dilution Rate</b>	<b>Application Rate</b>	<b>Directions</b>
<b>Beans</b> Lima Beans Peas Snap & Dry Soybeans	Anthracnose Botrytis Downy Mildew Early & Late Blight Fusarium Phytophthora Powdery Mildew Pythium Rhizoctonia Sclerotinia Rust White Mold	1:100 - 1:2000	<i>See Beans - Snap and Dry Application Instructions</i>	For specific application instructions, see <b>Beans - Snap and Dry Application Instructions</b>
<b>Citrus Crops, including but not limited to:</b> Grapefruit Kumquat Lemon Orange Tangerine	Alternaria Anthracnose Brown Rot Phytophthora Powdery Mildew Rust Scab  Citrus Canker	1:100  1:100 – 1:300  1:100 – 1:600	128 fl. oz. of OxiDate per 100 gallons of water; apply 30–100 gallons of spray solution per treated acre.  40–128 fl. oz. of OxiDate per 100 gallons of water; apply 30–100 gallons of spray solution per treated acre.  <i>See Citrus Canker Application Instructions.</i>	Curative: Spray diseased plants using 128 fl. oz. of OxiDate per 100 gallons of water for one to three consecutive days and continue treatments on five to seven day intervals.  Preventive: Begin when plants are small. Apply first three treatments using the curative rate at 5-day intervals. Reduce rate to 40 fl. oz. of OxiDate per 100 gallons of water after the completion of third treatment and maintain 5-day interval spray cycle until harvest.  For specific application instructions, see <b>Citrus Canker Treatment Application Instructions.</b>
<b>Cucurbit crops, including but not limited to:</b> Cucumber Melons Pumpkin Squash	Alternaria Anthracnose Belly Rot Downy Mildew Fusarium Wilt Gummy Stem Blight Leaf Spot Phytophthora Powdery Mildew Pythium Rot Rhizoctonia Root Rots	1:100 - 1:2000	<i>See Cucurbit Application Instructions.</i>	For specific application instructions, see <b>Cucurbit Application Instructions.</b>
<b>Filberts Almonds</b>	Alternaria Brown Rot Bacterial Blight Bacterial Canker E. Filbert Blight Jacket Rot	1:100	128 fl. oz. of OxiDate per 100 gallons of water; apply 30–100 gallons of spray solution per treated acre.	Pre-Bloom: Begin applications at 1/4 - 1/2 inch green tip and continue on a five to seven day schedule through bloom.  Curative: Spray diseased trees for three consecutive days and continue treatments on five to seven day intervals.

**APPLICATION INSTRUCTIONS (ALPHABETICAL BY CROP)**

Crops	Disease	Dilution Rate	Application Rate	Directions
Grasses grown for seed or sod	Grey Leaf Spot Leaf Rust Leaf Spot Stem Rust	1:100 – 1:300	40–128 fl. oz. of OxiDate per 100 gallons of water; apply 30–100 gallons of spray solution per treated acre.	Use sufficient water to achieve good coverage. Begin applications during stem elongations. Repeat weekly or as needed. Livestock can graze treated areas.
Herbs and Spices, including but not limited to: Basil Chives Cilantro Coriander Dill Mint Rosemary Sage	Anthracnose Downy Mildew Powdery Mildew Pythium Rot	1:100	128 fl. oz. of OxiDate per 100 gallons of water; apply 30–100 gallons of spray solution per treated acre.	<p><b>Curative:</b> Spray diseased plants using 128 fl. oz. of OxiDate per 100 gallons of water for one to three consecutive days and continue treatments on five to seven day intervals.</p> <p><b>Preventive:</b> Begin when plants are small. Apply first three treatments using the curative rate at 5-day intervals. Reduce rate to 40 fl. oz. of OxiDate per 100 gallons of water after the completion of third treatment and maintain 5-day interval spray cycle until harvest.</p> <p><b>Direct Injection:</b> Inject directly into misting systems for continual treatment during propagation.</p>
		1:100 – 1:300	40–128 fl. oz. of OxiDate per 100 gallons of water; apply 30–100 gallons of spray solution per treated acre.	
		1:500 – 1:1000	Direct Injection at a dilution ratio of 1:500 – 1:1000	
Mushrooms	Bacterial Blotch Mycogone Necrotic Spot Trichoderma Verticillium Spot	1:100	1-1/4 fl. oz. of OxiDate per gallon of water; apply 6 gallons of solution per 1000 sq. ft.	<p><b>Curative:</b> Spray diseased mushrooms using 1-1/4 fl. oz. of OxiDate per gallon of water for one to three consecutive days.</p> <p><b>Preventive:</b> Spray mushrooms using 1/2 fl. oz. of Oxidate per gallon of water on five to seven day intervals. Begin at pinning stage and continue through harvest.</p>
		1:300	1/2 fl. oz. of OxiDate per gallon of water; apply 6 gallons of solution per 1000 sq. ft.	
Peppers & Tomatoes	Alternaria Anthracnose Bacterial Speck Bacterial Spot Botrytis Cladosporium Mold Early Blight Late Blight Leaf Spot Phytophthora Powdery Mildew Pythium Rhizoctonia	1:100 – 1:2000	See <i>Tomato and Pepper Application Instructions</i> .	For specific application instructions, see <i>Tomato and Pepper Application Instructions</i> .
Potatoes (Seed)	Fusarium	1:50	2-1/2 fl. oz. of OxiDate per gallon of water.	Dip whole or cut tubers into tank of working solution. Let soak for a period of five minutes before removing seed pieces.



**APPLICATION INSTRUCTIONS (ALPHABETICAL BY CROP)**

Crops	Disease	Dilution Rate	Application Rate	Directions
Stone Fruits, including but not limited to: Cherries Nectarines Peaches Plums Prunes	Brown Rot Downy Mildew Powdery Mildew	1:100	128 fl. oz. of OxiDate per 100 gallons of water; apply 30-100 gallons of spray solution per treated acre.	<b>Pre-Bloom:</b> Begin applications at 1/4 - 1/2 inch green tip and continue on a five to seven day schedule through bloom.  <b>Curative:</b> Spray diseased trees for three consecutive days and continue treatments on five to seven day intervals.
Tobacco (Float Beds)	Blue Mold Fusarium Pythium Phytophthora	1:500 - 1:1000  1:5,000 - 1:10,000	1-1/4 - 2-1/2 fl. oz. of Oxidate per 10 gallons.  6 - 24 fl. oz. of Oxidate per 1000 gallons.	<b>Curative:</b> Initial treatment of float bed water.  <b>Preventive:</b> Treat water on a regular basis or maintain a residual 100 ppm concentration.
Tomatoes	<i>See Peppers Section</i>			

**DIRECTIONS, RATES AND USAGE:**

**Tomato and Pepper Application Instructions**

**Seed Treatment:** For control of Bacterial Speck and Bacterial Spot.

Rate	Application	Notes
1:100 or 1 gallon of OxiDate to 100 gallons of water.	• If seed has not been treated by the seed company, immerse seed in the OxiDate solution for one minute, remove seed and allow to drain.	• Rinsing of the seed after application is not required.

**Seedling Production Treatment:** For control of Bacterial Speck, Bacterial Spot, Damping-Off Pythium, Early Blight, Late Blight, and Phytophthora.

Rate at Seeding	Application	Notes
1/2 to 1-1/4 fl. oz. OxiDate per gallon of water.	• Apply one application of OxiDate to the point of saturation.	• Apply on newly seeded plug trays, seed flats or beds with the initial watering.
Rate for Post Emergence	Application	Notes
1/2 fl. oz. of OxiDate per gallon of water.	• Apply OxiDate at the 2 to 4 true leaf stage as a foliar spray with sufficient water to achieve complete coverage.	• Repeat at 7-day intervals.

**At Planting Application:** For control of Early Blight, Late Blight, Phytophthora and Pythium.

Rate	Application	Notes
1/2 to 1 gallon of OxiDate per treated acre in 50-200 gallons of water.	<ul style="list-style-type: none"> <li>Add OxiDate to transplant water or starter fertilizer and make in-furrow or dibble application just prior to plant set.</li> </ul>	<ul style="list-style-type: none"> <li>In fields with a history of disease pressure, use the high rate.</li> <li>Before tank mixing OxiDate with other 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 an indication of incompatibility.</li> </ul>

**Surface Application:** For control of Early Blight, Late Blight, Phytophthora and Pythium.

Rate - Foliar Spray	Application	Notes
1/3 to 1 gallon of OxiDate per 100 gallons of water.	<ul style="list-style-type: none"> <li>Apply OxiDate as a foliar spray with sufficient water to achieve runoff to soil.</li> <li>Repeat applications every 7 days through infectious season.</li> </ul>	<ul style="list-style-type: none"> <li>Typical applications use 30 to 100 gallons of spray solution per acre.</li> <li>During periods of wet, cloudy or rainy weather, use stronger rates and volumes and reduce spray intervals.</li> </ul>
Rate - Irrigation Systems	Application	Notes
1/2 to 1 gallon of OxiDate per treated acre in 500 to 1000 gallons of water.	<ul style="list-style-type: none"> <li>Apply through drip trickle, center pivot, lateral move, end tow, side wheel roll, traveler, solid set, hand move or flood basin irrigation systems.</li> </ul>	

**Foliar Applications:** For control of Anthracnose, Bacterial Speck and Spot, Botrytis, Early Blight, Late Blight, Powdery Mildew and Rhizoctonia Fruit Rot.

Rate - Foliar Spray	Application	Notes
1/3 to 1 gallon of OxiDate per 100 gallons of water. Complete coverage is essential.	<ul style="list-style-type: none"> <li>Begin applications of OxiDate prior to or in the early stages of disease development and continue throughout the season.</li> <li>Spray at first appearance or when conditions are favorable for disease development.</li> <li>Repeat applications at 7-day intervals.</li> </ul>	<ul style="list-style-type: none"> <li>Under severe disease conditions and during periods of rainy weather, apply immediately following each rain, reduce spray intervals and use stronger dilution rate.</li> <li>Use sufficient water to obtain complete coverage.</li> <li>Before tank mixing OxiDate with other 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 an indication of incompatibility.</li> </ul>
Rate - Irrigation Systems	Application	Notes
1/2 to 1 gallon of OxiDate per treated acre in 500-1000 gallons of water.	<ul style="list-style-type: none"> <li>Apply through center pivot, lateral move, end tow, side-wheel roll, traveler, solid set, or hand move irrigation systems.</li> </ul>	<ul style="list-style-type: none"> <li>Do not spray OxiDate during conditions of intense heat, drought or poor vine canopy.</li> </ul>

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**DIRECTIONS, RATES AND USAGE:**  
**Cucurbit Application Instructions**

**At Planting Application:** For control of Belly Rot, Root Rots, Fusarium Wilt, Pythium, Phytophthora, and Rhizoctonia.

Rate	Application	Notes
1/2 to 1 gallon of OxiDate per treated acre in 50-200 gallons of water.	<ul style="list-style-type: none"> <li>• Make in-furrow applications just before seed is covered.</li> <li>• Make band applications to soil surface after seed is covered.</li> </ul>	<ul style="list-style-type: none"> <li>• In fields with a history of disease pressure, use higher rates.</li> </ul>

**Banded Application:** For control of Belly Rot, Root Rots, Fusarium Wilt, Pythium, Phytophthora, and Rhizoctonia.

Rate for Spray Application	Application	Notes
1/3 to 1 gallon of OxiDate per 100 gallons of water.	<ul style="list-style-type: none"> <li>• Apply OxiDate as a foliar spray with sufficient water to achieve runoff to soil when vines begin to run.</li> <li>• Repeat every seven days through infectious season.</li> </ul>	<ul style="list-style-type: none"> <li>• Typical applications use 30-100 gallons of spray per acre. During periods of wet, cloudy or rainy weather, use stronger rates and volumes and reduce spray intervals.</li> <li>• Before tank mixing OxiDate with other 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 an indication of incompatibility.</li> </ul>

**Banded Application:** For control of Belly Rot, Root Rots, Fusarium Wilt, Pythium, Phytophthora, and Rhizoctonia.

Rate for Irrigation Application	Application	Notes
1/2 to 1 gallon of OxiDate per treated acre in 500-1000 gallons of water.	<ul style="list-style-type: none"> <li>• Apply through drip trickle, center pivot, lateral move, end tow, side wheel roll, traveler, solid set, hand move or flood basin irrigation systems.</li> </ul>	

**Foliar Applications:** For control of Alternaria, Anthracnose, Downy Mildew, Gummy Stem Blight, Leaf Spot, and Powdery Mildew.

Rate for Spray Application	Application	Notes
1/3 to 1 gallon of OxiDate per 100 gallons of water. Complete coverage is essential.	<ul style="list-style-type: none"> <li>• Begin applications of OxiDate prior to or in early stages of disease development and continue throughout the season.</li> <li>• Spray at first appearance or when conditions are favorable for disease development.</li> <li>• Repeat at 7-day intervals using sufficient water to obtain complete coverage.</li> </ul>	<ul style="list-style-type: none"> <li>• Before tank mixing OxiDate with other 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 an indication of incompatibility.</li> <li>• Under severe disease conditions and during periods of rainy weather, apply immediately following each rain, reduce spray intervals and use stronger dilution rate.</li> <li>• Do not spray OxiDate during conditions of intense heat, drought or poor vine canopy.</li> </ul>

Foliar Applications continued on next page

**Foliar Applications:** For control of Alternaria, Anthracnose, Downy Mildew, Gummy Stem Blight, Leaf Spot, and Powdery Mildew.

Rate for Irrigation Application	Application	Notes
1/2 to 1 gallon of OxiDate per treated acre in 500-1000 gallons of water.	<ul style="list-style-type: none"> <li>Apply through center pivot, lateral move, end tow, side-wheel roll, traveler, solid set, or hand move irrigation systems.</li> </ul>	<ul style="list-style-type: none"> <li>Before tank mixing OxiDate with other 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 an indication of incompatibility.</li> <li>Do not spray OxiDate during conditions of intense heat, drought or poor vine canopy.</li> </ul>

**DIRECTIONS, RATES AND USAGE:**

**Beans – Snap and Dry Application Instructions**

**At Planting Application:** For control of Early Blight, Late Blight, Phytophthora, Pythium, Rhizoctonia, Fusarium Root-Rot and Sclerotinia.

Rate	Application	Notes
1/2 to 1 gallon of OxiDate per treated acre in 50-200 gallons of water.	<ul style="list-style-type: none"> <li>Add OxiDate to setting water or starter fertilizer and make in-furrow application just prior to seed drop.</li> </ul>	<ul style="list-style-type: none"> <li>In fields with a history of disease pressure, use the high rate.</li> <li>Before tank mixing OxiDate with other 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 an indication of incompatibility.</li> </ul>

**Surface Application:** For control of Early Blight, Late Blight, Phytophthora, Pythium, Rhizoctonia, Fusarium Root-Rot and Sclerotinia.

Rate - Foliar Spray	Application	Notes
1/3 to 1 gallon of OxiDate per 100 gallons of water.	<ul style="list-style-type: none"> <li>Apply OxiDate as a foliar spray with sufficient water to achieve runoff to soil.</li> <li>Repeat applications every 7 days through infectious season.</li> </ul>	<ul style="list-style-type: none"> <li>Typical applications use 30 to 100 gallons of spray solution per acre. During periods of wet, cloudy or rainy weather, use stronger rates and volumes and reduce spray intervals.</li> <li>Before tank mixing OxiDate with other 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 an indication of incompatibility.</li> </ul>
Rate - Irrigation Systems	Application	Notes
1/2 to 1 gallon of OxiDate per treated acre in 500 to 1000 gallons of water.	<ul style="list-style-type: none"> <li>Apply through drip trickle, center pivot, lateral move, end tow, side wheel roll, traveler, solid set, hand move or flood basin irrigation systems.</li> </ul>	

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**At-Planting Foliar Application:** For control of Powdery Mildew, Leaf Blight, Angular Leaf Spot, Crown Rot and Botrytis.

Rate	Application	Notes
40 – 128 fl. oz. of OxiDate per 100 gallons of water. Complete coverage is essential.	<ul style="list-style-type: none"> <li>Immediately following planting, apply OxiDate as a foliar spray with sufficient water to achieve runoff to soil or plastic.</li> </ul>	<ul style="list-style-type: none"> <li>Typical applications use 30 to 100 gallons of spray solution per treated acre. In fields with a history of disease pressure, use the high rate.</li> <li>Before tank mixing OxiDate with other 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 an indication of incompatibility.</li> </ul>

**Existing Plantings – Foliar and Crown Disease Control:** For control of Powdery Mildew, Leaf Blight, Angular Leaf Spot, Crown Rot and Botrytis.

Rate- Foliar Spray	Application	Notes
40 – 128 fl. oz. of OxiDate per 100 gallons of water. Complete coverage is essential.	<ul style="list-style-type: none"> <li>Begin applications of OxiDate prior to or in the early stages of disease development and continue throughout the season.</li> <li>Spray at first appearance or when conditions are favorable for disease development.</li> <li>Repeat applications at 7-day intervals.</li> </ul>	<ul style="list-style-type: none"> <li>Typical applications use 30 to 100 gallons of spray solution per treated acre.</li> <li>Before tank mixing OxiDate with other 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 an indication of incompatibility.</li> <li>Under severe disease conditions and during periods of rainy weather, apply immediately following each rain, reduce spray intervals and use stronger dilution rate.</li> <li>Use sufficient water to obtain complete coverage.</li> <li>OxiDate may be applied up to and including the day of harvest.</li> </ul>

**Botrytis Control on Existing Plantings**

Rate- Foliar Spray	Application	Notes
40 – 128 fl. oz. of OxiDate per 100 gallons of water. Complete coverage is essential.	<ul style="list-style-type: none"> <li>Apply OxiDate at the first growth flush. Repeat applications at 10% bloom, full bloom and at late or extended bloom.</li> <li>Use additional sprays in late winter just after plant bed cleaning.</li> </ul>	<ul style="list-style-type: none"> <li>Typical applications use 30 to 100 gallons of spray solution per treated acre.</li> <li>Use sufficient water to obtain complete coverage.</li> <li>Remove dead plant growth from the beds immediately prior to making an OxiDate application.</li> <li>Before tank mixing OxiDate with other 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 an indication of incompatibility.</li> </ul>

**DIRECTIONS, RATES AND USAGE:**

**Citrus Canker Application Instructions**

**Existing Plantings – Foliar and Tree Treatment**

**Citrus Crops including but not limited to grapefruit, kumquat, lemons, limes, oranges and tangerines: For control of Citrus Canker.**

Rate - Foliar Spray	Application	Notes
<p>20 – 128 fl. oz. of OxiDate per 100 gallons of water. Complete coverage is essential.</p>	<ul style="list-style-type: none"> <li>• Begin applications of OxiDate prior to or in the early stages of disease development and continue throughout the season.</li> <li>• Spray at first appearance or when conditions are favorable for disease development.</li> <li>• Repeat applications at 7-day intervals.</li> </ul>	<ul style="list-style-type: none"> <li>• Spray diseased plants using OxiDate treatment solution for one to three consecutive days and continue treatments on five to seven day intervals.</li> <li>• Spray entire tree including trunk, branches, leaf canopy.</li> <li>• Spray all areas where branches have been pruned, grafted or have become damaged or have apparent lesions or breaks in bark.</li> <li>• In groves with a history of disease pressure, use the stronger rate.</li> <li>• Typical applications use 30 to 100 gallons of spray solution per treated acre.</li> <li>• Before tank mixing OxiDate with other 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 an indication of incompatibility.</li> <li>• Under severe disease conditions and during periods of wet, cloudy or rainy weather, apply immediately following each rain, reduce spray intervals and use stronger dilution rate.</li> <li>• Use sufficient water to obtain complete coverage.</li> <li>• OxiDate may be applied up to and including the day of harvest.</li> </ul>

**For vehicles, field equipment, tools, personnel clothing – Surface Treatment: For Citrus Canker.**

Rate - Foliar Spray	Application	Notes
<p>16.0 – 21.3 fl. oz. of Oxidate per 100 gallons of water. Complete coverage is essential.</p>	<ul style="list-style-type: none"> <li>• Apply to field equipment such as pickers, trailers, trucks (including truck body parts and tires), bins, packing crates, ladders, power tools, pruning shears, gloves, rubber boots, Tyvek suits or other equipment that can transfer <i>Xanthomonas</i> bacterial species including citrus canker.</li> <li>• Apply to equipment and surfaces found in commercial packing houses including dump tanks, drenches, crates, containers, conveyors, storages, walls, floors, and process lines.</li> </ul>	<ul style="list-style-type: none"> <li>• Remove loose soil or organic matter with clean water or detergent/rinse. Use a power sprayer to remove loose dirt and organic matter.</li> <li>• Apply solution as a coarse spray or by mop, sponge, power sprayer, portable sprayer or fogger. Apply until run off.</li> <li>• Allow treated surfaces to air dry, do not rinse.</li> </ul>

