



LICENSED

PERIOD 2005-2007 LIC. NO.

LICENSED HAWAII DEPT. OF AGRICULTURE
Period 1999-2001 No. 8048.2

2002-2004



LICENSED

PERIOD 2008-2010 LIC. NO.



LICENSED

PERIOD 2011-2013 LIC. NO.



OXIDATE

BROAD SPECTRUM BACTERICIDE/FUNGICIDE

Preventative treatment for 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

ACTIVE INGREDIENT:

Hydrogen Dioxide 27%

INERT INGREDIENTS:..... 73%

TOTAL:.....100%

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.)*

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get immediate medical attention.

IF ON SKIN: Remove contaminated clothing and wash affected areas with plenty of soap and water. Get immediate medical attention.

IF SWALLOWED: Call a physician or poison control center immediately. Drink large quantities of water. Do not induce vomiting. Avoid alcohol. Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.

IF INHALED: Remove victim to fresh air. Get immediate medical attention.

See supplemental label for additional precautionary statements.

EPA Registration No. 70299-2
EPA Establishment No. 60156-1L-001

Sold by: **BioSafe Systems**
Glastonbury, CT 06033



Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD 2014-2016 LIC. NO.

8048.2
Disc.

8048.2

SEE ATTACHED SUPPLEMENTAL LABEL

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.
- OxiDate™ should not be combined or mixed with any other pesticide or fertilizer.
- OxiDate™ is formulated with a minimal amount of surfactant for plants having waxy or hairy surfaces. Additional surfactant may be added at a rate of 1 to 2 ounces per gallon, if needed.
- 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 when used in accordance with label directions. Do not use at higher than recommended dilution rates as leaf burn may result.

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

USE RATES AND 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. per 50 gallons of water.
- 2) Immerse plants or cuttings; remove and allow to drain. Do not rinse.

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. OxiDate™ can also be used on potting soil and growing mediums prior to planting.

- 1) Mix 1-1/4 fl. oz. OxiDate™ per gallon of clean water. (Change)
- 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. Good coverage and wetting of the foliage is necessary.

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.

**A Product of: BioSafe Systems
Glastonbury, CT**

OX00002-5/99

CROPS	DISEASE	DILUTION RATE	APPLICATION RATE	DIRECTIONS
Beans	Anthracnose Downy Mildew Powdery Mildew Rust	1:100	128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	Curative: Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals. Preventive: Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
		1:100 - 1:300	40-128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	
Broccoli Cauliflower Cabbage	Alternaria Leaf Spot Downy Mildew Powdery Mildew	1:100	128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	Curative: Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals. Preventive: Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
		1:100 - 1:300	40-128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	
Citrus	Rust Scab Powdery Mildew Brown Rot Phytophthora	1:100	128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per 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 using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals. Preventive: Spray once a week until harvest.
		1:100 - 1:300	40-128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	
Cucurbits	Alternaria Anthracnose Downy Mildew Powdery Mildew Pythium Rot	1:100	128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	Curative: Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals. Preventive: Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
		1:100 - 1:300	40-128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	
Onions	Botrytis Downy Mildew Powdery Mildew	1:100	128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	Curative: Spray diseased plants using a 1:100 rate or three consecutive days and continue treatments for five to seven day intervals. Preventive: Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
		1:100 - 1:300	40-128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	
Peppers	Anthracnose Phytophthora Blight Powdery Mildew	1:100	128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	Curative: Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals. Preventive: Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
		1:100 - 1:300	40-128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	
Potatoes	Early Blight Late Blight	1:100	128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	Curative: Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals. Preventive: Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
		1:100 - 1:300	40-128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	

CROPS	DISEASE	DILUTION RATE	APPLICATION RATE	DIRECTIONS
Seed Potatoes	Fusarium	1:50	2-1/2 oz. 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.
Tomatoes	Anthracnose Cladosporium Mold Early Blight Late Blight Powdery Mildew	1:100	128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	Curative: Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100 - 1:300	40-128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	Preventive: Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
Apples	Rusts Scab Powdery Mildew	1:100	128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre	Curative: Spray diseased trees using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1: 100		Pre-Bloom: Begin applications at 1/4 - 1/2 inch green tip and continue on a five to seven day schedule through bloom.
Filberts	Eastern Filbert Blight Bacterial Blight	1:100	128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	Curative: Spray diseased trees using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1: 100		Pre-Bloom: Begin applications at 1/4 - 1/2 inch green tip and continue on a five to seven day schedule through bloom.
Bananas	Sigatoka	1:100	128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	Curative: Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100 - 1:300	40-128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	Preventive: Begin when plants are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest.
Grapes	Black Rot Downy Mildew Powdery Mildew	1:100	128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	Curative: Spray diseased plants using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
		1:100 - 1:300	40-128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per acre.	Preventive: Begin when shoots are small. Apply first three treatments at 1:100, for 5-day intervals. Reduce rate to 1:300 after the completion of third treatment and maintain 5-day interval spray cycle until harvest
Stone Fruits Peaches Plums Cherries Nectarines Prunes	Downy Mildew Powdery Mildew Brown Rot	1:100	128 oz. OxiDate per 100 gallons of water; apply 50-100 gallons of spray solution per 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 using a 1:100 rate for three consecutive days and continue treatments on five to seven day intervals.
Spray Treatments for newly harvested potatoes before storage -				
Potatoes	Fusarium Tuber Rot Bacteria Soft Rot Silver Scurf	1:50 - 1:100	2-1/2 - 1-1/4 oz. OxiDate per gallon of water.	Spray diluted solution on tuber to runoff to achieve full and even coverage. Additional surfactant can be added as needed to aid in sticking. Use 1 to 2 gallons of water per ton of potatoes.
Direct injection into humidification water for postharvest potatoes in storage -				
Potatoes	Fusarium Tuber Rot Bacteria Soft Rot Silver Scurf	1:100 - 1:300	1-1/4 - 1/2 oz. OxiDate per gallon of water.	Inject concentrate into makeup water used in humidification of postharvest potatoes in storage.