

73817-2

11/21/2002

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

73817-2

Date of Issuance:

11/21/02

Term of Issuance: Unconditional

Name of Pesticide Product:

**ProDox Broad Spectrum  
Algaecide/ Fungicide**

NOTICE OF PESTICIDE:

   Reregistration

   Registration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Redox Chemical Inc.  
130 S. 1000 W.  
Burley, Idaho 83318

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

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

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

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

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label change before you release the product for shipment:  
Revise the EPA Registration Number to read, "EPA Reg. No.73817-2"
3. Submit five (5) copies of the final printed labeling for the record before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

Janet L. Andersen, Ph.D., Director  
Biopesticides and Pollution  
Prevention Division

Date:

11/21/02

CONCURRENCES

SYMBOL	DATE	NAME	DATE	NAME	DATE	NAME	DATE
EPA Form 7505-6	11-20-02	J. Downing	11-20-02	S. Reil			

# ProDox

## BROAD SPECTRUM ALGAECIDE / FUNGICIDE

- \* Preventative treatment for ornamental plants and turf.
- \* A treatment for the prevention and suppression / control of horticultural diseases in Commercial Greenhouses, Garden Centers, Landscapes, Nurseries and Interiorscapes.

### FOR HORTICULTURAL AND COMMERCIAL USE

**ACTIVE INGREDIENT:**  
 Hydrogen Peroxide 27%  
**OTHER 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.)*

### FIRST AID

If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advise.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
If swallowed	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>

### HOTLINE NUMBER

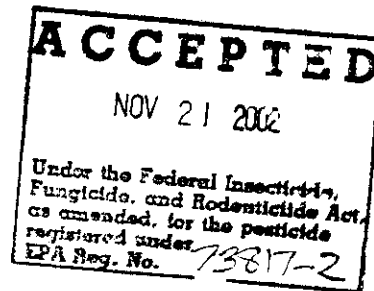
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

### NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

Sold By: Redox Chemical, Inc.  
 130 South 100 West, Burley, Idaho 83318

See back panel for additional precautionary statements  
 Net Contents: 5 Gallons  
 EPA Reg. No.: 73817-  
 EPA Est. No.: xxxxxx



**PRECAUTIONARY STATEMENTS****HAZARDS TO HUMAN AND DOMESTIC ANIMALS**

**DANGER:** Corrosive, Causes skin burns. Causes irreversible eye damage. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Remove contaminated clothing and wash clothing before re-use. Users should wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

When handling this product wear protective eyewear (goggles or face shield) and chemical resistant 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.

**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**

**FOR TERRESTRIAL USES.** Keep out of lakes, ponds and streams. This pesticide is toxic to birds, fish and aquatic invertebrates. 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 by cleaning of equipment or disposal of wash waters.

This product is highly toxic to bees and other beneficial insects exposed to direct treatment 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**

Strong oxidizing agent. Corrosive. 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.

**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 only apply to the uses of this product that are covered by the Worker Protection Standard.

There is a restricted entry of four (4) hours for this product.

PPE required for early entry to treated areas that is permitted under the worker Protection Standards and that involves contact with anything that has been treated, such as plants, soil or water is: coveralls, shoes plus socks, protective eyewear.

**STORAGE AND DISPOSAL**

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

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

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

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

**Directions for Use:**

ProDox works by surface contact with the plants and materials being treated. It is important to ensure that all surfaces are thoroughly wetted. ProDox 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 the listed dilution rates as leaf burn may result.

- \* Treats / Controls / Prevents: *Algae - Anthracnose - Aphanomyces - Black Spot - Botrytis - Downy Mildew - Fusarium - Leaf Spot - Pseudomonas - Pythium - Phytophthora - Powdery Mildew - Rhizoctonia - Rust - Scab - Smut - Thielaviopsis - Wilts & Blights.*
- \* May be used as a fungicide on bedding plants, flowering plants, roses, poinsettia, ornamentals, nursery stock, trees, turf, cut flowers, bulbs, cuttings, seedlings, seeds and seedbeds.
- \* May be used as an fungicide and algaecide on greenhouse structures, benches, pots, watering systems, evaporative coolers, storage rooms, ventilation equipment, floors and other equipment.

Do not apply this product through any irrigation system except as directed on this label. Refer to Chemigation Directions for Use.

**Solution Preparation:**

- \* ProDox works best when diluted with water containing low levels of organic or inorganic materials and having a neutral pH. Thoroughly rinse out mixing tank with water before mixing concentrate. ProDox will readily mix with clean, neutral water and does not require agitation.
- \* ProDox should not be combined or mixed with any other pesticide or fertilizer.
- \* ProDox is formulated with minimal surfactant for plants having waxy or hairy surfaces. Additional surfactant may be added at a rate of 1-2 fl. oz. per gallon.

### Use Rates and Directions

**For greenhouse surfaces and equipment**, ProDox can be used to suppress / control fungi and slime forming algae on greenhouse structures, such as: glazing, plastic, benches, walkways, floors, walls, fan blades, ventilation ducts, watering systems, coolers, storage rooms, structures and equipment.

- 1) Sweep and remove all plant debris. Use power sprayer to wash all surfaces to remove loose dirt.
- 2) Use a dilution of 1:50 or 2 1/2 fl. oz. per gallon of clean water. Additional surfactant may be added, if needed.
- 3) Apply solution with mop, sponge, power sprayer or fogger to thoroughly wet all surfaces.
- 4) Heavy growths of algae and fungi may have to be scrubbed off following application. Use a solution of ProDox to wash away dead growth.
- 5) Reapply as often as needed for control.

**For clean, non-porous surfaces**, use a dilution of 1:300 or 1/2 fl. oz per gallon of clean water. Additional surfactant may be added, if needed.

**For evaporative coolers**, treat cooler water every week with a dilution of 1:500 or 1/4 fl. oz. for every gallon of cooler water.

**For irrigation systems (flooded floors, flooded benches, recycled water systems, humidification and misting systems)**, treat already contaminated water with a dilution of 1:500 or 1/4 fl. oz. for every gallon of water. Treat clean water with a dilution of 1:10,000 or one gallon of ProDox per 10,000 gallons of water.

**As a pre-plant dip treatment**, use ProDox for the control / suppression of damping-off, root and stem rot diseases such as *Pythium*, *Phytophthora*, *Rhizoctonia*, *Fusarium* or *Thielaviopsis* on ornamental and nursery plants, seed beds, seeds, seedlings, bulbs, or cuttings.

- 1) Use 64 fl. oz. per 50 gallons of water, a dilution of 1:100.
- 2) Immerse plants or cuttings. Remove and allow to drain. Do not rinse.

**As a soil drench**, ProDox is effective for the control / suppression 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. ProDox can also be used on potting soil and growing mediums prior to planting.

- 1) Use a dilution of 1:100 - 1:50 or 1 1/2 - 2 fl. oz. 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.

**As a foliar spray treatment in greenhouses**, ProDox works immediately on contact with any plant surfaces for control / suppression of fungi. Apply ProDox to ornamentals, bedding plants, flowering plants, shrubs, and trees. Thoroughly cover and wet foliage.

#### Initial (Curative) Application:

- 1) Use a dilution of 1:100 or 1 1/2 fl. oz. per gallon of clean water. Make fresh daily.
- 2) Spray, mist or fog plants in early morning or late evening.
- 3) Thoroughly wet all surfaces of plant, upper and lower foliage, including stems, branches and stalks to ensure full contact with plant and flower tissue.
- 4) Apply for one to three consecutive days and then follow directions for preventive treatment after the initial application.

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Weekly Preventative Treatment:

- 1) Use a dilution of 1:300 or 1/2 fl. oz. per gallon of clean water.
- 2) Spray, mist or fog plants.
- 3) Thoroughly wet all surfaces of plant, upper and lower foliage, including stems, branches and stalks.
- 4) Spray every five to seven days as a preventive treatment.
- 5) At the first sign of disease spray daily with a 1 1/4 fl. oz. per gallon of water for three consecutive days and then resume weekly preventative treatment.

As a foliar spray treatment in the field, ProDox works immediately on contact with any plant surface for control / suppression of disease. Apply ProDox to nursery stock such as: woody ornamentals, bedding plants, flowering plants, roses, container plants, azaleas, rhododendrons, conifers, and shade trees. Thoroughly cover and wet foliage.

Initial (Curative) Application:

- 1) Use a dilution of 1:100 - 1:50 or 1 1/4 - 2 1/2 fl. oz. per gallon of clean water. Do not reuse already mixed solution, make fresh daily.
- 2) Spray, mist or fog plants and trees, including applications through irrigation or chemigation systems.
- 3) Thoroughly wet all surfaces of plant, upper and lower foliage, including stems, branches and stalks to ensure full contact with plant and flower tissue.
- 4) Apply for one to three consecutive days and then follow directions for preventive treatment after the initial application.

Weekly Preventative Treatment:

- 1) Use a dilution of 1:100 or 1 1/4 fl. oz. per gallon of clean water.
- 2) Spray, mist or fog plants and trees, including applications through irrigation or chemigation systems.
- 3) Thoroughly wet all surfaces of plant, upper and lower foliage, including stems, branches and stalks.
- 4) Spray every five to seven days as a preventive treatment.
- 5) At the first sign of disease spray daily with a 2 1/2 fl. oz. per gallon of water for three consecutive days and then resume weekly preventative treatment.

For cut flowers, use ProDox to prevent fungal diseases such as Botrytis, Downy Mildew and Powdery Mildew on flowers in cold storage or in transit. Apply as a post harvest treatment. Use a dilution of 1:500 or 1/4 fl. oz. per gallon of clean water. Spray flowers after grading and prior to storage or shipment. Repeat weekly for flowers in storage.

For bareroot nursery stock, use ProDox to prevent Botrytis on budwood and nursery stock in storage. Use a dilution of 1:50 or 2 1/2 fl. oz. per gallon of water. Dip plants or spray until dripping wet. Repeat weekly if necessary.

For turf applications:

- Broad spectrum treatment for control of algae, fungi and bacteria on turf.
- For use on all turf types such as commercial turf, lawns, athletic fields and golf course fairways, greens and tees.
- Use ProDox to control fungi such as: *Anthracoze*, Brown Spot, Dollar Spot, Copper Spot, Fairy Ring, Pink Snow Mold, *Pythium*, *Phytophthora*, Summer Patch, *Rhizoctonia*, Scum, *Fusarium* Blight, Stripe Smut, Leaf Spot, Algae, Slime Molds and their spores.
- ProDox controls on contact.

**CHEMIGATION DIRECTIONS FOR USE****General Requirements:**

- 1) Apply this product only through a sprinkler including a center pivot, lateral move, end tow, side wheel roll, traveler, solid set, hand move, flood basin or drip trickle irrigation system. Do not apply this product through any other type of irrigation system.
- 2) Crop injury or lack of effectiveness can result from non-uniform distribution of treated water.
- 3) Ensure that the irrigation system used is properly calibrated and if you have questions, call the state extension service or the equipment manufacturer.
- 4) Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless proper safety devices for public water systems are in place. Read label for instructions.
- 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 any necessary adjustments should the need arise

**Specific Requirements:**

- 1) Public water supply 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 25 individuals daily at least 60 days throughout the year.
- 2) Chemigation systems connected to the public water systems must contain a functional, reduced-pressure zone (RPZ), backflow preventer or the functional equivalent in the water supply 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 of the 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 liquid back towards the injector.
- 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 drawn 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, or equivalent, 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.

**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) ProDox should not be applied in conjunction with any other pesticides or fertilizers, this may cause reduced performance of the product and should be avoided.

**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.