

21790

55638-16

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number  
219640

Application for Pesticide - Section I

1. Company/Product Number 55638-16	2. EPA Product Manager Janet Andersen	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) AQ10 Biofungicide	PM#	
5. Name and Address of Applicant (Include ZIP Code) Ecogen Inc. 2005 Cabot Blvd. West Langhorne, PA 19047 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(2)(b)(ii), 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 checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)  
  
Reduction in REI as per PR Notice 95-3

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
	If "Yes" Unit Packaging wgt. 1 ounce	No. per container 12	If "Yes" Package wgt	<input checked="" type="checkbox"/> Glass	<input checked="" type="checkbox"/> Paper
			No. per container	Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 12 ozs.	5. Location of Label Directions <input checked="" type="checkbox"/> on label		
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input checked="" 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 David L. Olson	Title Director, Regulatory Affairs	Telephone No. (Include Area Code) 215-757-1590
2. Signature 		6. Date Application Received  (Stamped)
3. Title Director, Regulatory Affairs		
4. Typed Name David L. Olson	5. Date October 26, 1995	

**AQ10™** biofungicide is a selective fungal hyperparasite for control of powdery mildew.

**Active Ingredient:**

*Ampelomyces quisqualis* isolate M-10 . . . . . 58.0%\*

**Inert Ingredients** . . . . . 42.0%

TOTAL . . . . . 100.0%

\*Contains not less than 5.0 x 10<sup>9</sup> viable spores/g

# KEEP OUT OF REACH OF CHILDREN

# CAUTION

## STATEMENT OF PRACTICAL TREATMENT

**If in Eyes:** Flush eyes with plenty of water. Call a physician if irritation persists.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Avoid contact with eyes. In case of contact immediately flush eyes with plenty of water. Get medical attention if irritation persists.

**Personal Protective Equipment (PPE):**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Dust/mist filtering respirator (NIOSH/MSHA approval number prefix TC-21C)

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## ENVIRONMENTAL HAZARDS

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

## STORAGE AND DISPOSAL

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

**Storage:** Store in cool, dry place inaccessible to children. AQ10 contains living spores and care should be taken to properly store the product. The product is best stored at or below room temperature. Do not store in extreme heat or cold.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill, or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 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.



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 intervals. The requirements in this section only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

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

## NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to the 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.

**Do not enter treated areas without protective clothing until sprays have dried.**

**Preharvest Interval:** AQ10 can be applied up to and including the day of harvest.

**Mode of Action:** AQ10 is a fungus that parasitizes powdery mildew. Following rehydration and application, AQ10 spores germinate into the powdery mildew mycelia and parasitize it.

## MIXING INSTRUCTIONS

AQ10 should be thoroughly mixed with water. Fill the spray tank one-half full with water; add AQ10 to the tank, then finish filling the tank. The use of a mineral oil-based surfactant is recommended. Continuously agitate the tank mix to maintain suspension. Spray entire contents of mixture within the same day of mixing. AQ10 can lose viability when left in water over 12 hours.

- AQ10 may be an effective resistance management tool when used in an IPM spray program with sulfur and sterol inhibitors for control of powdery mildew. It is important to use AQ10 in at least two sequential sprays 7-14 days apart. These sequential applications give AQ10 the opportunity to build up sufficient populations for the most effective long term control.
- Initial applications should begin as soon as susceptible host tissue emerges.
- Foliage and/or fruit should be sprayed thoroughly with sufficient water carrier to ensure complete coverage.
- Applications should be repeated at an interval sufficient to maintain disease control, depending upon plant growth, disease pressure and weather conditions.
- Applications should be done at a time selected to maximize the contact of AQ10 with free water on the vegetation either from dew or water carrier. Optimal AQ10 germination and parasitism occur under high humidity conditions.
- Apply only with ground equipment.
- Do not apply this product through any type of irrigation system.

## FOR USE TO CONTROL POWDERY MILDEW ON THE FOLLOWING FIELD AND GREENHOUSE CROPS

Apples	Grapes	Strawberries
Cucurbits	Ornamentals	Tomatoes

## WARRANTY AND CONDITIONS OF SALE

Ecogen warrants that this product conforms to the description on this label and is reasonably fit for the purposes stated on this label when used in accordance with the directions on this label under normal conditions of use.

ECOGEN MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

If this product is defective, Buyer's exclusive remedy shall be the replacement of the product, or if replacement is impracticable, refund of the purchase price. In no case will Ecogen be liable for incidental, consequential or special damages resulting from the handling, storage or use of this product.

AQ10 is a trademark of Ecogen Inc.  
U.S. Patent No. 5,190,754  
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