

22-17-836

04/23/2002  
NOTIFICATION

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval Expires 02-28-95



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United States  
Environmental Protection Agency  
Washington, DC 20460

- Registration
- Amendment
- Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number 2217-836	2. EPA Product Manager Janet L. Andersen	3. Proposed Classification
4. Company/Product (Name) Azadirachtin 1.2% EC Insecticide	PM# Director, Biopesticides & Pollution Prevention Division (7511C)	<input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
5. Name and Address of Applicant (Include ZIP Code) PBI/Gordon Corporation, Acme Division PO Box 014090 Kansas City, Missouri 64101 <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 checked="" type="checkbox"/> Final printed labels in response to Agency letter dated <u>6/26/01 &amp; 9/20/01</u>
<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.

**NOTIFICATION**  
Date Reviewed: 4/23/02

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

1) **NOTIFICATION OF BRAND NAME PER PR NOTICE 98-10:** We are requesting the brand name "Azatrol™ EC Insecticide" with the logo "Gordon's® Professional Turf & Ornamental Products."

2) **SUBMISSION OF FINAL PRINTED LABELING TO ASSURE FIFRA COMPLIANCE WITH NOTIFICATION DATED 1/11/02 AND AGENCY LETTERS DATED 9/20/01 AND 6/26/01.** Enclosed are six (6) copies of the container labeling. Please pin-punch one copy and return to us for state registration purposes. A self-addressed, stamped envelope is also enclosed for your convenience. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to the EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Section 12 and 14 of FIFRA.

Reviewed By: [Signature]

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
<input checked="" type="checkbox"/> Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	<input type="checkbox"/> Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input 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 Craig Martens	Title Manager of Regulatory Services	Telephone No. (Include Area Code) 816/450-6287
2. Signature <u>[Signature]</u>		3. Title Manager of Regulatory Services
4. Typed Name Craig Martens		5. Date February 4, 2002
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)

**GORDON'S**  
PROFESSIONAL  
TURF & ORNAMENTAL PRODUCTS



Pull Here  
To Open  
Label

# AZADOL

INSECTICIDE



*Botanical Product For Control of Insects on Indoor and Outdoor Vegetables, Ornamental Flowers, Trees, Shrubs, and Plants.*

Manufactured By  
**G** pbl/gordon  
corporation  
An Employee-Owned Company  
1217 West 12th Street  
Kansas City, Missouri 64101



**NET CONTENTS**      **GORDON**



# Azatrol™

EC Insecticide

**BIOLOGICAL INSECTICIDE,  
REPELLENT, ANTIFEEDANT  
AND INSECT GROWTH  
REGULATOR**

*Botanical Product For Control of  
Insects on Indoor and Outdoor  
Vegetables, Ornamental Flowers,  
Trees, Shrubs and Plants.*

**ACTIVE INGREDIENT:**  
Azadirachtin ..... 1.2%  
**OTHER INGREDIENTS:** ..... 98.8%  
TOTAL 100.0%

Contains 0.0987 lb. azadirachtin per gallon.  
Contains Azadirachtin from E.I.D. Parry

## KEEP OUT OF REACH OF CHILDREN CAUTION

*See next column for  
Precautionary Statements,  
First Aid and Use Directions.*



**READ ENTIRE LABEL BEFORE  
EACH USE. OBSERVE ALL  
PRECAUTIONS AND FOLLOW  
DIRECTIONS CAREFULLY.**

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if absorbed through skin or if inhaled. Avoid breathing vapor. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long sleeved shirt and pants
- Waterproof gloves
- Shoes plus socks

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.

#### USER SAFETY RECOMMENDATIONS

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

#### FIRST AID

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.

**IF INHALED:** Move person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

#### ENVIRONMENTAL HAZARDS:

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 cleaning equipment or disposing of equipment washwater.

**Homeowner Use:** Do not apply directly to water. Do not contaminate water when disposing of equipment washwater or rinsate.

#### 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. The requirements in this box only apply to uses of

this product that are covered by the Worker Protection Standard (WPS).

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

These requirements apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) 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. For other uses, including golf courses and other non-agricultural uses, do not enter treatment areas without protective clothing until sprays have dried.

Read entire label. Use strictly in accordance with precautionary statements and directions, and with applicable state and federal regulations.

#### PRODUCT DESCRIPTION:

Azatrol™ EC Insecticide is a botanical product for control of insects on indoor and outdoor vegetables, ornamental flowers, trees, shrubs and plants.

#### PRODUCT MODE OF ACTION:

Azatrol™ EC Insecticide controls target pests on contact or by ingestion. The product acts on pests

by way of repellence, antifeedance, and interference with the molting process. The buyer or user is reminded that the degree of efficacy of the product is largely dependent on weather conditions, intensity of pest population, area of application, type of pest, and physical stage of pests.

#### USE SITES

Azatrol™ EC Insecticide may be use on the following plants:

<b>Leafy Vegetables, such as:</b>	bok choy, broccoli, Brussels sprouts, cabbage, cauliflower, celery, collard, kale, kohlrabi, mustard greens, lettuce (head and leaf), rape greens, spinach, Swiss chard
<b>Legume Vegetables, (Dry) such as:</b>	beans, lentil, pea, chickpea, soybeans
<b>Other Vegetables, such as:</b>	beans (succulent), cucumber, eggplant, ginger, ground cherry, leek, pepper, potato, pumpkin, squash, sweet potato, tomato, yam
<b>Miscellaneous Crops, such as:</b>	asparagus, artichoke, avocado, grape, kiwi fruit, mango, melon, okra, papaya, persimmon, pineapple, strawberry, sunflower, water chestnut, watercress
<b>Cereal Grains, such as:</b>	barley, corn, millet, oats, popcorn, rice, rye, sorghum, wheat
<b>Berries, such as:</b>	blueberry, blackberry, currant, elderberry, gooseberry, huckleberry, loganberry, raspberry
<b>Herbs and Spices, such as:</b>	basil, black pepper, chamomile, chives, celery, coriander, curry leaf, dill, fennel, mint, marjoram, peppermint, rosemary, sage, spearmint, tarragon, thyme, wintergreen
<b>Fruit and Nut Trees, such as:</b>	almond, apricot, apple, cherry, filbert, grapefruit, lemon, lime, nectarine, peach, pear, pecan, plum, prune, quince, tangerine, walnut
<b>Ornamentals, Flowers and Shrubs, such as:</b>	amaranthus, aster, azalea, fern, fuschia, caladium, carnation, chrysanthemum, dahlia, daisy, lily ivy, ficus, gardenia, impatiens, iris, jasmine, lilac, marigold, philodendron, poinsettia, rose, zinnia
<b>Ornamental Trees, such as:</b>	ash, birch, cedar, cyprus, dogwood, fir, eim, juniper, maple, oak, pine, spruce

#### PESTS

Azatrol™ EC Insecticide may be used against the following pests:

<b>HEMIPTERA AND HOMOPTERA</b> such as Bugs, Leafhoppers, Whiteflies, Aphids
<b>COLEOPTERA</b> such as Beetles, Weevils
<b>THYSANOPTERA</b> such as Thrips
<b>LEPIDOPTERA</b> Moths, such as Leafrollers, Cutworms, Loopers, Armyworms
<b>DIPTERA</b> such as Flies, Midges
<b>ACARINA</b> such as Mites

#### General Information

Read all directions before using this product.

There are no restrictions on applying Azatrol™ EC Insecticide up to the time of harvest. However, do not exceed 20 grams active ingredient, 57 ounces, of Azatrol™ EC Insecticide per acre.

#### MIXING

Azatrol™ EC Insecticide has been found to be compatible with most commonly used pesticides and fertilizers. However, a compatibility test is recommended before using this product in a tank mix with other pesticides or with fertilizers. To test for compatibility, mix a small amount of each product, in the recommended proportions, in a small jar.

Azatrol™ EC Insecticide has been evaluated for phytotoxicity on a wide range of crops and ornamentals. However, since testing on all varieties of crops and ornamentals is not feasible, testing a

small portion of the area to be treated for phytotoxicity is recommended before treating the entire area. Further, all possible combinations or sequences of pesticide sprays, including other fertilizers, surfactants, adjuvants and other pesticides, have not been tested, thus testing for phytotoxicity of spray mixtures is recommended.

Ensure that mixing and spraying equipment is in sound operating condition. Add required amount of Azatrol™ EC Insecticide to a clean spray tank with at least one-half of the water to be sprayed. Constant or frequent intermittent agitation is recommended, particularly with tank mixes. Agitate the mixture thoroughly and then fill the tank with remaining water with additional agitation. Thorough mixing is necessary for uniform coverage. Non-uniform mixing can cause injury or can result in lowered effectiveness. For tank mixes, add pesticides/fertilizers to the tank containing Azatrol™ EC Insecticide spray mixture and agitate thoroughly. If tank mixture is allowed to sit, agitate again prior to application. The spray mixture pH should be 4 to 7 for good efficacy. Do not store spray mixture for an extended period.

#### APPLICATION INSTRUCTIONS

Dilute the product with water at 8.3 to 57 ounces of Azatrol™ EC Insecticide in 2 to 100 gallons of water per acre depending on the type of application equipment being used and the foliage to be covered. See table for more detailed information on recommended application rates. Make application according to the table below. Use any suitable spray equipment to ensure uniform coverage.

For the most effective control, spray the product as soon as possible after pests appear and are in immature stages. Spray at an interval of seven to ten days or as the situation warrants. During high pest infestation levels use higher label rates and increase the spray frequency. Spraying in the morning or evening hours is recommended. Repeat spraying if rain occurs within two to three hours of spraying.

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## SPRAY DIRECTIONS

### High Volume Application:

Use the high label rates when foliage is dense. Thorough and complete coverage of both sides of leaves is advised.

### Low Volume or Ultra-Low Volume Application:

Thorough and complete coverage is essential for good efficacy.

## Recommended Azatrol™ EC Insecticide Application Rates

Crop (See Use Sites Table)	Pest (See Pests Table)	Early Season		Late Season	
		Ounces per Acre	Ounces per 1,000 Sq. Ft.	Ounces per Acre	Ounces per 1,000 Sq. Ft.
Brassica and Leafy Vegetables	lepidoptera	8.3-21	0.19-0.48	21-42	0.38-0.96
	all others	10.4-21	0.24-0.48	21-42	0.48-0.96
Root and Tuber Vegetables	beetles, weevils	4.9-11	0.11-0.26	10-22	0.22-0.51
	all others	10.4-21	0.24-0.48	21-42	0.48-0.96
Ornamental Shrubs and Plants	beetles, weevils	14-28	0.32-0.64	28-42	0.64-0.96
	all others	14-21	0.32-0.48	28-42	0.64-0.96
All Other Crops and Ornamental Trees	beetles, weevils	12.5-28	0.29-0.64	25-42	0.57-0.96
	thrips	12.5-21	0.29-0.48	21-42	0.48-0.96
	all others	11.5-21	0.24-0.48	21-42	0.48-0.96

Azatrol™ EC Insecticide can be applied as directed to any food or non-food crop up to and including the day of harvest, at a maximum rate of 57 ounces (20 grams active ingredient) per acre per application. Rates in the table pertain to typical pest infestations. For heavy late-season infestations, apply up to 57 ounces per acre (1.3 ounces per 1,000 square feet).

### Equipment For Foliar Applications:

This product may be applied with hand-operated (manual) or power spray equipment suitable for low volume and/or high volume applications. Follow the recommendations of the equipment manufacturer when using backpack sprayers, hose-end sprayers, compression (pump-up) sprayers, and other garden sprayers suitable for foliar application of insecticides.

Do not apply this product through any type of irrigation system.

## STORAGE & DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse container.

**STORAGE:** Do not store this product above 105°F or below -15°F for extended periods of time. Keep containers tightly closed and in original containers when not in use.

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

**Homeowner:** Securely wrap original container in several layers of newspaper and discard in trash.

**CONTAINER DISPOSAL: FOR PLASTIC CONTAINERS** - 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.

### LIMITED WARRANTY AND DISCLAIMER.

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

**THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED.** This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall,

tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

661/1-2002 AP120101  
EPA REG. NO. 2217-836  
EPA EST. NO. 2217-KS-1

Manufactured By



An Employee-Owned Company

1217 West 12th Street  
Kansas City, Missouri 64101