

71908-5

6/24/2013

1/23



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

June 24, 2013

EID Parry (India) Ltd

C/o Parry America, Inc.
6565 N. MacArthur Blvd., Suite 225
Irving, Texas 75039
Attn: Dennis Creason (Agent)

Subject: Notification to revise Storage and Disposal statements in accordance with PR Notice 2007-4, and add Environmental Hazards for household/residential use only per PR Notice 98-10.

Product Brand Name: **Neemazal 0.6 EC.**
EPA Reg. No: **71908-5.**
Your Submission dated April 1, 2013.

Dear Mr. Creason:

The Biopesticides and Pollution Prevention Division is in receipt of your application for Notification under Pesticide Registration Notice (PRN) 98-10 dated above. A screen of this request has been conducted for its applicability under PRN 98-10, and it has been determined that the actions requested fall within the scope of this Notice. Our records have been duly noted, and the label submitted with this application has been stamped "Notification Accepted" and will be placed accordingly in our records.

Three (3) copies of final printed labeling must be submitted to the Agency before your product as modified, may be sold or distributed [PR Notice 82-2 and 40 CFR 156.10(a) (6)].

If you have any questions regarding this action, you may contact Mr. Sylvester George at (703) 603-0688 or via e-mail at george.sylvester@epa.gov.

Sincerely,

Linda A. Hollis

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

<p>EPA</p> <p style="text-align: center;">United States Environmental Protection Agency Washington, DC 20460</p>	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
--	---	-----------------------

Application for Pesticide - Section I

1. Company/Product Number 71908-5	2. EPA Product Manager Andrew Bryceland	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) NEEMAZAL 0.6 EC	5. PM# Team Lead	
5. Name and Address of Applicant (Include ZIP Code) E.I.D. Parry (India) Limited Bioproducts Division, 4 th Floor 234 N.S.C. Bose Road Chennai 600 001 <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

Notification Accepted

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

Date: June 24, 2013
 Reviewer: Sylvester George

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
Non-PRIA Notification
 Revise Storage and Disposal in accordance with Pesticide Registration Notice 2007-4, add Environmental Hazards for household/residential use only in accordance with PR Notice 2008-1, and other minor changes in accordance with PR Notice 98-10. Please see cover letter for details.

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 *Certification must be submitted	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per Container	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes" Package wgt. No. per Container		<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) Plastic Bag	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 4 fl oz, 8 fl oz, 1 pint, 1 quart, 1 gallon, 2.5 gallons		5. Location of Label Directions <input type="checkbox"/> On Can <input checked="" type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Dennis Creason	Title Authorized Agent	Telephone No. (Include Area Code) 816-796-4979
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 BY:	3. Title Authorized Agent	
4. Typed Name: Dennis Creason	5. Date: April 1, 2013	



PARRY AMERICA, INC.

6565 N. MacArthur Blvd., Suite 225,
Irving, Texas 75039, USA
Phone: 214-624-5115 Fax: 214-624-5101
Website: www.parryamerica.com / www.eidparry.com

3/23

April 8, 2013

Andrew Bryceland, BPPD Team Lead
U.S. Environmental Protection Agency
Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
Room S4900, One Potomac Yard
2777 Crystal Drive
Arlington, VA 22202

Federal Express courier address

**Subject: Application for Pesticide Notification – Revised Master Label
NEEMAZAL 0.6 EC, EPA Registration Number 71908-5**

Dear Mr. Bryceland:

E.I.D Parry (India) Ltd. [E.I.D. Parry (India) Ltd, Bioproducts Division, 4th Floor, 234 N.S.C. Bose Road, Chennai 600 001, EPA Company Number 71908] is submitting a label notification to update the subject label in accordance with Pesticide Registration Notice 2007-4, Pesticide Registration Notice 2008-1, and make other minor revisions in accordance with Pesticide Registration Notice 98-10.

In explanation, this product has not yet been produced, distributed or sold since first registered with the Agency on February 27, 2006. At this time, E.I.D. Parry (India) Ltd. wishes to update the master label in preparation for production. In support of this non-PRIA action to revise the master label, the following documents are being submitted:

- 8570-1 Application for Pesticide Notification;
- Master Label dated March 29, 2013 (2 copies; 1 with changes highlighted); and
- EPA stamped accepted label dated 2/27/2006 (for Agency's reference).

Storage and Disposal

Please note that this notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.40, 156.144, 156.146, and 156.156. No other changes have been made to the labeling (except for those listed in this letter) or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR 156.10, 156.40, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

cccc
cccc
cccc
cccc
cccc
cccc
cccc
cccc
cccc
cccc



4/23



PARRY AMERICA, INC.

6565 N. MacArthur Blvd., Suite 225,

Irving, Texas 75039, USA

Phone: 214-624-5115 Fax: 214-624-5101

Website: www.parryamerica.com / www.eidparry.com

Mr. Andrew Bryceland

April 1, 2013

Page 2 of 2

Environmental Hazards

Notification of label change relative to PR Notice 2008-1. This notification is consistent with the guidance in PR Notice 2008-1 and the requirements of EPA's regulations at 40 CFR 156.10, 40 CFR 156.80 and 40 CFR 152.46, and no other changes have been made to the labeling (except for those listed in this letter) 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 EPA. I further understand that if this notification is not consistent with the guidance of PR Notice 2008-1 and the requirements of 40 CFR 156.10, 40 CFR 156.80 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Pesticide Registration Notice 98-10

Other revisions to the label have been made as permitted by PR Notice 98-10 as follows:

- Net Contents has been revised.
- Street address spelling has been corrected.
- New EPA Est. listed as [XXXXXX-XX-XXX].
- Advertising logo/graphics have been added.

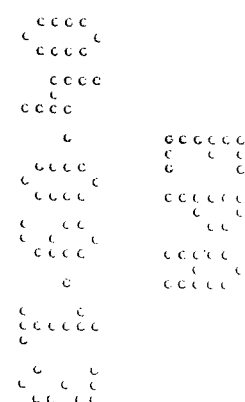
This notification is consistent with the provisions of PR Notice 98-10 and EPA Regulations at 40 CFR 152.46, and no other changes have been made to the labeling (except for those listed in this letter in accordance with PR Notices 2007-4 and 2008-1) or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Thank you for your attention to this matter, and please contact me at 816-718-4979 or dcreason.parryamerica@gmail.com if you have any questions or need further information.

Sincerely,

Dennis Creason
PARRY AMERICA INC.
1501 NW Deer Run Trail
Blue Springs, MO
Authorized Representative for
E.I.D. PARRY (INDIA) LTD.

cc: Narasimha Rao Kothapalli



murugappa

5/23

MASTER LABEL

[Please note: optional text is placed in [brackets].]

Notification Accepted

Date: 6/24/2013

Reviewer: Sylvester George

NEEMAZAL 0.6 EC

ACTIVE INGREDIENT	% By Wt.
Azadirachtin	0.6%
OTHER INGREDIENTS	99.4%
TOTAL	100.0%

Contains 0.0493 lb. azadirachtin per gallon.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

Sublabel 1: NEEMAZAL 0.6 EC BIOLOGICAL - AZADIRACHTIN-BASED BIOLOGICAL, ANTIFEEDANT, REPELLANT AND INSECT GROWTH REGULATOR, FOR USE ON GREENHOUSE AND OUTDOOR FOOD CROPS, ORNAMENTAL FLOWERS, TREES, SHRUBS AND PLANTS

Sublabel 2: NEEMAZAL 0.6 EC BIOLOGICAL BOTANICAL INSECTICIDE, REPELLANT, ANTIFEEDANT AND INSECT GROWTH REGULATOR (IGR) BIOLOGICAL PRODUCT FOR CONTROL OF INSECTS ON INDOOR AND OUTDOOR TREES, SHRUBS, FLOWERS, FRUIT AND NUT TREES, GARDEN VEGETABLES AND PLANTS. INDOOR AND OUTDOOR VEGETABLES, ORNAMENTAL FLOWERS, TREES, TURFGRASS, SHRUBS AND PLANTS, INCLUDING PLANTS GROWN IN CONTAINERS, INTERIORSAPES, HOME AND GARDEN USE.

NET CONTENTS: [4 fl oz] [8 fl oz] [1 Pint] [1 Quart] [1 Gallon] [2.5 Gallons]

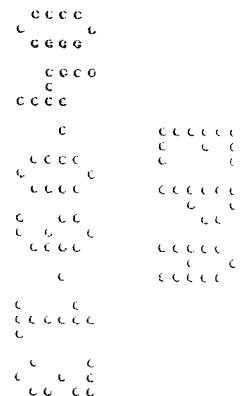
EPA Reg. No. 71908-5

EPA Est. No. [71908-IND-001] [XXXXX-XX-XXX]

Batch No. XXXX

E.I.D. PARRY (INDIA) LTD
Bioproducts Division, 4th Floor
234 N.S.C. Bose Road
Chennai 600 001

Master label 4/01/2013



Sublabel 1

NEEMAZAL 0.6 EC

BIOLOGICAL

AZADIRACHTIN-BASED BIOLOGICAL, ANTIFEEDANT, REPELLANT AND INSECT GROWTH REGULATOR

FOR USE ON GREENHOUSE AND OUTDOOR FOOD CROPS,
ORNAMENTAL FLOWERS, TREES, SHRUBS AND PLANTS



 FOR ORGANIC PRODUCTION

ACTIVE INGREDIENT		% By Wt.
Azadirachtin		0.6%
OTHER INGREDIENTS		99.4%
TOTAL		100.0%

Contains 0.0493 lb. azadirachtin per gallon.

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID	
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call poison control center or doctor for further treatment advice.
If on skin or clothing	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.
If in eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
If swallowed	Call a 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 a poison control center or doctor.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL TOLL FREE 1-888-478-0798	

READ ALL DIRECTIONS BEFORE USING THIS PRODUCT

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

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 and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long sleeved shirt and long 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. 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 cleaning equipment or disposing of equipment wash water or rinsate.

ENVIRONMENTAL HAZARDS [for household/residential use only labels]

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

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.

NET CONTENTS: [4 fl oz] [8 fl oz] [1 Pint] [1 Quart] [1 Gallon] [2.5 Gallons]

7/23

E.I.D. PARRY (INDIA) LTD
Bioproducts Division, 4th Floor
234 N.S.C. Bose Road
Chennai 600 001

EPA Reg. No. 71908-5
EPA Est. No. [71908-IND-001] [XXXXX-XX-XXX]
Batch No. XXXX

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS. 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 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 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 treated areas without protective clothing until sprays have dried.

PRODUCT MODE OF ACTION

NEEMAZAL 0.6 EC 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 stages of pests and crops.

GENERAL INFORMATION

Read all directions before using this product.

Apply **NEEMAZAL 0.6 EC** as directed to any food or non-food crop up to and including the day of harvest, at a maximum rate of 7 pints/Acre. Refer to the Use Site Section for a complete listing of crops.

MIXING

Shake well before using. Add required amount of **NEEMAZAL 0.6 EC** to a clean spray tank with at least one-half of the water to be sprayed. Constant agitation is required, particularly with tank mixes. Agitate the mixture thoroughly and then fill the tank with remaining water and continue agitation. Thorough mixing is necessary for uniform coverage. Non-uniform mixing can cause crop injury or can result in lowered effectiveness. For tank mixes, add other components to the tank containing the **NEEMAZAL 0.6 EC** spray mixture and agitate thoroughly. If tank mixture is allowed to sit, agitation is necessary prior to application. Adjusting the spray mixture pH between 5.5 and 7 will provide optimal performance. Always use this product promptly after mixing with water and do not let tank mix sit for any extended period.

COMPATIBILITY: **NEEMAZAL 0.6 EC** has been found to be compatible with most commonly used pesticides and fertilizers. To Avoid problems, conduct a compatibility test 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 appropriate proportions, in a small jar.

PHYTOTOXICITY: **NEEMAZAL 0.6 EC** has been evaluated for phytotoxicity on a wide range of crops and ornamentals. However, since testing on all varieties of all 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. It is further recommended that spray equipment used to apply **NEEMAZAL 0.6 EC** be thoroughly cleaned before use. The addition of spray adjuvants may enhance control in some crops under ideal conditions. Addition of certain adjuvants may cause phytotoxicity therefore, the addition of crop oils and other adjuvants should be thoroughly tested before using. The addition of crop oils to spray mixtures is NOT recommended on ornamental crops. Captan, Bordeaux mixtures, and highly alkaline products may cause unacceptable phytotoxicity and/or reduced effectiveness on target pests. Tank mix combinations of **NEEMAZAL 0.6 EC** plus compounds known to be incompatible with oil-based formulations should be avoided or phytotoxicity may occur. "Waxy bloom" on certain crops and ornamental plants may be reduced after a **NEEMAZAL 0.6 EC** application.

APPLICATION INSTRUCTIONS

For optimal performance spray product as soon as possible when pests are expected or when pests first appear. For foliar applications, apply **NEEMAZAL 0.6 EC** in sufficient spray volume and with adequate spray pressure to ensure complete and thorough coverage of all plant surfaces including both the top and bottom of leaves. Avoid excessive runoff. Best results can be obtained following 2-3 applications made at 7-10 day intervals. When pest pressure is heavy or plant canopy is dense, use higher rates and increase spray frequency. Spraying in the morning or evening hours will provide the best results. Repeat application if rain occurs within two to three hours of spraying.

SPRAY DIRECTIONS

Apply **NEEMAZAL 0.6 EC** as a foliar spray or a drench to soil or non-soil media to control insects. When needed, soil drenches can also be used to

control soil-borne pests, including soil-borne larvae of foliar insect pests. When applying as a drench, avoid excessive leaching. NEEMAZAL 0.6 EC can also be applied through sub-surface soil treatment equipment. Always follow equipment manufacturer's use directions. NEEMAZAL 0.6 EC may be applied using any powered or manual pesticide application equipment which includes, but is not restricted to, high volume, low volume, ultra-low volume, electrostatic, fogging and chemigation. Follow the original manufacturer's instructions when using these types of equipment.

DRENCH AND ORNAMENTAL SPRAY DIRECTIONS FOR LABELED PLANTS GROWN IN GREENHOUSES, SHADECLOTHS AND NURSERIES

When used as a soil drench, apply one pint of finished spray for each gallon of soil in the pot. For most pests apply 36-42 oz. of NEEMAZAL 0.6 EC per 100 gallons of water. For treatment of harder to control pests, such as Dipteran leafminers, use up to 48 ounces per 100 gallons of water. Do not exceed 112 oz of NEEMAZAL 0.6EC per acre per application.

RATES

Use NEEMAZAL 0.6 EC at 1.5- 3.0 pints/acre for most pest and crop conditions. Under extremely heavy pest pressure up to 5.25 pints may be used. Do not use less than 10 oz. per acre of NEEMAZAL 0.6 EC alone. When tank mixed with other insecticidal products, the rate of NEEMAZAL 0.6 EC may be reduced by 1/2, but not less than 8 oz per acre. Use up to 5.2 oz/1000 square feet for manure and compost treatments.

GENERAL CHEMIGATION INSTRUCTIONS

Apply this product only through one or more of the following types of systems: low pressure, drip or sprinkler (including center pivot, lateral move, end tow, side (wheel) roll, traveler, solid set or hand move). Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

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.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. 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.

Dilute NEEMAZAL 0.6 EC with water before introduction into the system. Use the diluted mixture within 8 hours. Do not apply in irrigation water if the pH exceeds 7.0. The optimum pH range for application is 5.5-6.5. If needed, the pH of the irrigation water can be adjusted by use of a suitable buffering agent. Agitation is necessary. Apply at the rate recommended in APPLICATION INSTRUCTIONS using sufficient water to achieve an even distribution

For Chemigation Systems

Connected to Public Water Systems

Public water system 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 at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line 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 or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. Before beginning chemigation, always make sure that the air gap exists and that there is no blockage of the overflow of the reservoir tank.

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 distributed is adversely affected.

In addition, all directions and requirements specified for Sprinkler Irrigation Systems must be followed.

Sprinkler Irrigation Systems

The system must contain a functional check valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. 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.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

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 fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Center pivot, motorized lateral move, or traveling gun types of equipment: Inject into the system for one revolution or run. Shut off injection equipment after one revolution or run, but continue to operate irrigation system until NEEMAZAL 0.6 EC has been cleared from the last sprinkler head. Do not use end guns. The system should be run at maximum speed for a foliar application.

Wheel move, side roll, end tow, solid set, or hand move types of equipment: Adjust equipment to inject NEEMAZAL 0.6 EC over a 30-60 minute period. Shut off injection equipment. Continue to operate irrigation system until NEEMAZAL 0.6 EC has been cleared from the last sprinkler head. NEEMAZAL 0.6 EC can be injected at the end of the irrigation cycle or as a separate application. Do not use end guns. NEEMAZAL 0.6 EC must be premixed in a supply tank with water and other appropriate tank-mix chemicals. Agitation is necessary at all times.

Caution must be exercised in irrigation waters with a pH greater than 7. If the irrigation cycle will last longer than 8 hours and the NEEMAZAL 0.6 EC is premixed in the supply tank, the tank mix must be buffered to a pH of 6 or lower. Please contact your Gowan sales representative should this situation apply. Application should be in sufficient water and of sufficient duration to apply the recommended rate evenly over the entire treated area.

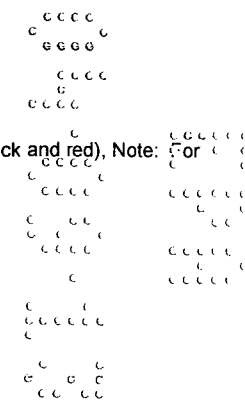
No field runoff can be permitted during chemigation.

USE SITES

AGRICULTURAL USE SITES – Use NEEMAZAL 0.6 EC on agricultural use sites including, but not limited to, the following:

BERRIES GROUP, such as: Blackberry, Blueberry, Currant, Elderberry, Gooseberry, Huckleberry, Loganberry, Raspberry (black and red), Note: Strawberries – see miscellaneous.

BULB VEGETABLES, such as: Garlic, Leek, Onion (dry bulb, green and Welch), Shallot



PESTS

NEEMAZAL 0.6 EC may be used against the following pests:

Aphids (such as pea aphid, Rosy Apple Aphid), Beetles (such as Japanese beetle), Borers, (such as peachtree borers, peach twig borers), True Bugs, (such as Lygus bugs, stink bugs), Caterpillars, (such as leafrollers, cutworms, loopers, armyworms), Flies (such as walnut husk fly, leafminers and fungus gnats), Leafhoppers, Leafminers, Whiteflies, Mealy Bugs, Midges, Mites, Psyllids (such as pear psylla), Weevils, Scales (such as San Jose scale), Thrips, (such as western flower thrips), and all other insect pests.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by pesticide storage or disposal.

PESTICIDE STORAGE: Store in original containers in a dry, cool, well-ventilated area.

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

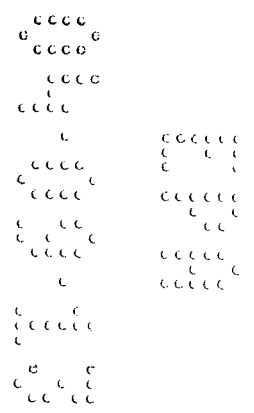
CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill container ¼ full with water and recap. Shake 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times.

CONTAINER DISPOSAL INSTRUCTIONS FOR RESIDENTIAL/HOUSEHOLD USE:

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

NOTICE ON CONDITIONS OF SALE

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.



11/23

Sublabel 2

NEEMAZAL 0.6 EC

BIOLOGICAL

BOTANICAL INSECTICIDE, REPELLANT, ANTIFEEDANT AND INSECT GROWTH REGULATOR (IGR)

- BIOLOGICAL PRODUCT FOR CONTROL OF INSECTS ON INDOOR AND OUTDOOR TREES, SHRUBS, FLOWERS, FRUIT AND NUT TREES, GARDEN VEGETABLES AND PLANTS.
- INDOOR AND OUTDOOR VEGETABLES, ORNAMENTAL FLOWERS, TREES, TURFGRASS, SHRUBS AND PLANTS, INCLUDING PLANTS GROWN IN CONTAINERS, INTERIORSCAPES, HOME AND GARDEN USE.

ACTIVE INGREDIENT	% By Wt.
Azadirachtin	0.6%
OTHER INGREDIENTS	99.4%
TOTAL	100.0%

Contains 0.0493 lb. azadirachtin per gallon.



FOR ORGANIC PRODUCTION

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID	
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call poison control center or doctor for further treatment advice.
If on skin or clothing	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.
If in eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
If swallowed	Call a 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 a poison control center or doctor.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL TOLL FREE 1-888-478-0798	

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 and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long sleeved shirt and long 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. 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 cleaning equipment or disposing of equipment washwater or rinsate.

ENVIRONMENTAL HAZARDS [for household/residential use only labels]

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS. 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.

NET CONTENTS: [4 fl oz] [8 fl oz] [1 Pint] [1 Quart] [1 Gallon] [2.5 Gallons]

12/23

E.I.D. PARRY (INDIA) LIMITED
Bioproducts Division, 4th Floor
234 N.S.C. Bose Road
Chennai 600 001

EPA Reg. No. 71908-1
EPA Est. No. [71908-IND-001][XXXXX-XX-XXX]
Batch No. XXXX

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.

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.

This is an end use product. E.I.D. Parry (India) Ltd. does not intend that this product be reformulated or repackaged except under a toll repackaging agreement.

PRODUCT DESCRIPTION:

NeemAzal 0.6 EC Insecticide is a botanical product for control of insects on indoor and outdoor plants including ornamental trees, shrubs, flowers, garden vegetables, turfgrass, fruit trees and nut trees.

When used as a component of an Integrated Pest Management (IPM) program, NeemAzal 0.6% EC Insecticide provides an effective resistance management tool.

MODE OF ACTION:

NeemAzal 0.6% EC Insecticide controls target pests on contact or by ingestion. The product acts on pests by way of repellence, anti-feedance, and interference with the molting process.

Azadirachtin, an insect growth regulator (IGR), mimics the pests' hormones and disrupts distinct stages of growth and development of insects and mites. The primary mode of action of azadirachtin is an interference with synthesis and metabolism of ecdysone and the juvenile hormone. Ecdysone is the molting hormone of insects, and azadirachtin can regulate growth leading to death before or during molting.

INDOOR AND OUTDOOR ORNAMENTAL TREES, SHRUBS, FLOWERS, AND PLANTS ESTABLISHED IN RESIDENTIAL, LANDSCAPE PLANTINGS AROUND INSTITUTIONAL, PUBLIC, COMMERCIAL AND INDUSTRIAL BUILDINGS, PARKS, RECREATIONAL AREAS, GREENHOUSES, SHADECLOTHS, NURSERIES, AND ATHLETIC FIELDS.

NeemAzal 0.6 EC Insecticide has been evaluated for phytotoxicity on a wide range of ornamentals and crops. However, since testing on all plant varieties is not feasible, test a small portion of the area to be treated for phytotoxicity before treating the entire area. 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.

The professional user assumes the responsibility for determining the level of tolerance of treated plants to NeemAzal 0.6 EC Insecticide when applied alone or in tank-mix combinations under commercial growing conditions.

Waxy bloom on certain ornamental plants may be reduced after an NeemAzal 0.6 EC Insecticide application.

Applications of NeemAzal 0.6 EC may remove the glaucous 'blue' coloring from evergreens such as Colorado blue spruce and Koster spruce.

14/23

SPRAY PREPARATION

NeemAzal 0.6 EC Insecticide is an emulsifiable concentrate to be diluted with water.

Water as diluent:

Add one-half the required amount of water to the spray tank, then add NeemAzal 0.6 EC Insecticide slowly with agitation, and complete filling the tank with water. To prevent separation of the emulsion, mix thoroughly and continue agitation while spraying.

This product forms an emulsion and can separate upon extended or prolonged standing. Re-agitate to assure uniformity of the spray mixture.

It is suggested that the water pH be 5 to 7. Do not use tank additives that alter the pH of the spray solution above pH 7. Buffer the spray solution to alter the pH range as appropriate.

Prepare only the volume needed for the intended application, and use the spray mixture within 24 hours of preparation.

TANK MIXTURES

NeemAzal 0.6 EC Insecticide is an emulsifiable concentrate and is compatible with commonly used pesticides and fertilizers. Always check the physical compatibility using a jar test in the correct proportions if needed.

If a broader spectrum of control is required tank-mix NeemAzal 0.6 EC Insecticide with insecticides or miticides. If a rapid knockdown of heavy populations is necessary, then include an effective contact insecticide/miticide in combination with NeemAzal 0.6 EC Insecticide.

Tank mixture recommendations are for use only in states where the companion product(s) and the application site are registered.

Always read and follow the directions for use, precautions and limitations for use on all product labels used in combination. *Applications must follow the precautions and limitations of the most restrictive product label in the mixture. Do not exceed the dosage rates of any product.*

Select the right companion products:

IPM uses a variety of control options including biological, chemical, and cultural practices. Azadirachtin is botanical with growth regulator effect on insects and mites. Companion products include pyrethroids, spinosyns, microbial toxins, and chloronicotinyls that can complement azadirachtin. Formulations of bifenthrin, spinosad, abamectins, and imidacloprid are effective for different pests. Select the product that has been proven to provide adequate performance for the pests you are trying to control.

Physical Incompatibility

Do not use NeemAzal 0.6 EC Insecticide with Captan, Bordeaux mixture, triphenyltin hydroxide, lime sulfur, Rayplex iron or other highly alkaline materials as they can cause phytotoxicity and/or reduced efficacy on some target pests. Tank-mix combinations with compounds known to be incompatible with oil-based formulations are not to be used or phytotoxicity may occur.

ADJUVANTS

The addition of adjuvants may enhance control under certain conditions; the use of adjuvants or oils may cause phytotoxicity and should be thoroughly tested prior to use. Do not add crop oils to spray mixtures intended for use on ornamental plants, flowers, trees, and shrubs.

APPLICATION EQUIPMENT

Ground Equipment

Apply NeemAzal 0.6 EC Insecticide 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 sprayers suitable for foliar applications of insecticides.

Chemigation and Subsurface Equipment

NeemAzal 0.6 EC Insecticide may also be applied through chemigation systems and sub-soil treatment equipment; always follow equipment manufacturer's directions.

APPLICATION SCHEDULE

For the most effective control, apply the product when pests are expected to appear or as soon as possible after pests appear and are in immature stages. Spray at an interval of seven (7) to ten (10) days or as the situation warrants.

During high pest infestation levels or when canopy is dense use higher dosage (use) 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. For additional guidance, consult with the state agricultural experiment station or local extension horticulturalist/arborist for information on tactics and windows of application.

APPLICATION RATES

Use NeemAzal 0.6 EC Insecticide on ornamental pests as a spray concentration of 0.4 – 2.0 % vol/vol per treatment with high volume applications in Table 2.

The application rates are specified as rate ranges depending upon the pest infestations:

Lower rate ranges with a spray concentration of 0.4 – 1.0 % vol/vol: Use lower rate ranges for light infestations of lepidopterous insects, at the first sign or at the first observation of the early and uniform growth stages of the pest(s), and/or tank mixtures with contact insecticides.

Medium rate ranges with a spray concentration of 1.0 – 1.5 % vol/vol: Use medium rate ranges for moderate infestations, when multiple growth stages of the pests are present, and/or heterogeneous pesticide populations are present.

Upper rate ranges with a spray concentration of 1.5 – 2.0 % vol/vol: Use upper rate ranges for moderate to heavy pest populations of difficult-to-control pest species, for the late stages of larva/worms, for dense foliage, and/or when re-infestations occur.

15/23

High Volume Applications:

Apply NeemAzal 0.6 EC Insecticide at spray concentration of 0.4 – 2.0% v/v in sufficient amounts of water to achieve complete coverage. Use an adequate spray volume to wet the leaves (foliage) and stems. Spray volumes will vary with the plant size. Attempt to penetrate dense foliage. Thorough coverage of the upper and lower leaf surfaces is critical for effective levels of control.

Refer to Table 3 for the amounts of NeemAzal 0.6 EC Insecticide required to prepare spray concentrations of 0.4% to 2.0 % for spray volumes of 1 gallon to 200 gallons.

Specialized Low Volume Applications:

Select a spray volume to achieve sufficient coverage. Uniform coverage of both upper and lower leaf surfaces is critical for effective insect control.

Apply NeemAzal 0.6 EC Insecticide in a *minimum* spray volume of 5 gallons per acre. Larger plants will require the higher spray volumes (20 - 25 gallons per acre) to obtain sufficient coverage. Do not exceed 20 grams active ingredient per acre per application or 112 fl. oz. of product per acre per application. Refer to Table 4 for the amounts of NeemAzal 0.6 EC Insecticide required to prepare spray concentrations of 0.4% to 2.0% for spray volumes of 5 - 25 gallons per acre.

TABLE 2. APPLICATION RATES FOR ORNAMENTALS ESTABLISHED IN RESIDENTIAL, LANDSCAPE PLANTINGS AROUND INSTITUTIONAL, PUBLIC, COMMERCIAL AND INDUSTRIAL BUILDINGS, PARKS, RECREATIONAL AREAS, GREENHOUSES, SHADECLOTHS, NURSERIES, AND ATHLETIC FIELDS

USE	PESTS	SPRAY CONCENTRATION%	Amounts of Neemazal 0.6 EC Insecticide		
			Fluid ounces per gallon	Fluid ounces per 100 gallons	Quarts per 100 gallons
Including trees, shrubs, flowers, conifers, evergreens, herbaceous ornamentals, foliage plants, container-grown ornamentals, plants and groundcovers	Armyworms	Lower rate ranges of 0.4 – 1.0% vol/vol:	0.51-1.30 fl. oz.	51-130 fl. oz.	1.6-4.0 qt.
	Azalea caterpillars				
	Aphids				
	Bagworms	Medium rate ranges of 1.0 – 1.5% vol/vol:	1.30-1.92 fl. oz.	130-192 fl. oz.	4.0-6.0 qt.
	Black vine weevils				
	Boxelder bugs				
	Budworms	Upper rate ranges of 1.5 – 2.0% vol/vol:	1.92-2.60 fl. oz.	192-260 fl. oz.	6.0-8.0 qt.
	Cankerworms				
	Cutworms				
	Eastern tent caterpillars				
	Elm leaf beetles				
	European sawflies				
	Fall webworms				
	Flea beetles				
	Forest tent caterpillars				
	Gypsy moth larvae				
	Japanese beetles				
	June beetles				
	Lace bugs				
	Leaf-feeding caterpillars				
	Leafhoppers				
	Leafminers				
	Leaf rollers				
	Leaf skeletonizers				
	Oleander moth larvae				
	Pine sawflies				
Pine shoot beetles					
Pinetip moths					
Plant bugs					
Sawflies (larva)					
Scale insects (crawlers)					
Spruce budworm					
Striped beetles					
Striped oakworms					
Thrips					
Tussock moth larvae					
Brown softscale					
California redscale (crawler)					
Clover mites					
Mealybugs					
Pineneedlescale (crawler)					
Spider mites					
Whiteflies					
and other species identified in Table 1.					

16/23

TABLE 3. SPRAY PREPARATION FOR HIGH VOLUME APPLICATIONS FOR SPRAY CONCENTRATIONS OF 0.4% to 2.0%.

Gallons Of Water	Amounts of NeemAzal 0.6 EC Insecticide For:							
	0.4%	0.5%	0.75%	1.00%	1.25%	1.50%	1.75%	2.00%
1 gallon	0.51 fl. oz.	0.64 fl. oz.	0.96 fl. oz.	1.28 fl. oz.	1.60 fl. oz.	1.92 fl. oz.	2.20 fl. oz.	2.56 fl. oz.
5 gallons	2.56 fl. oz.	3.2 fl. oz.	4.8 fl. oz.	6.4 fl. oz.	8.0 fl. oz.	9.6 fl. oz.	11.0 fl. oz.	12.8 fl. oz.
10 gallons	5.1 fl. oz.	6.4 fl. oz.	9.6 fl. oz.	12.8 fl. oz.	16.0 fl. oz.	19.2 fl. oz.	22.0 fl. oz.	25.6 fl. oz.
25 gallons	12.8 fl. oz.	16.0 fl. oz.	24.0 fl. oz.	32.0 fl. oz.	40.0 Qt.	48.0 fl. oz.	55.0 fl. oz.	64.0 fl. oz.
50 gallons	25.6 fl. oz.	1.0 Qt.	1.5 Qt.	2.0 Qt.	2.5 Qt.	3.0 Qt.	3.4 Qt.	4.0 Qt.
100 gallons	1.6 Qt.	2.0 Qt.	3.0 Qt.	4.0 Qt.	5.0 Qt.	6.0 Qt.	6.9 Qt.	8.0 Qt.
150 gallons	2.4 Qt.	3.0 Qt.	4.5 Qt.	6.0 Qt.	7.5 Qt.	9.0 Qt.	10.3 Qt.	12.0 Qt.
200 gallons	3.2 Qt.	4.0 Qt.	6.0 Qt.	8.0 Qt.	10.0 Qt.	12.0 Qt.	13.7 Qt.	16.0 Qt.

TABLE 4. SPECIALIZED SPRAY PREPARATION FOR LOW VOLUME APPLICATIONS OF 5 - 25 GALLONS PER ACRE WITH SPRAY CONCENTRATIONS OF 0.4% to 2.0%.

Spray Concentration Desired, % vol/vol	Spray Volume, Gallons Per Acre				
	5 gpa	10 gpa	15 gpa	20 gpa	25 gpa
0.40% v/v	2.6 fl. oz./acre	5.2 fl. oz./acre	7.8 fl. oz./acre	10.4 fl. oz./acre	13.0 fl. oz./acre
0.50% v/v	3.2 fl. oz./acre	6.4 fl. oz./acre	9.6 fl. oz./acre	12.8 fl. oz./acre	16.0 fl. oz./acre
0.75% v/v	4.8 fl. oz./acre	9.6 fl. oz./acre	14.4 fl. oz./acre	19.2 fl. oz./acre	24.0 fl. oz./acre
1.00% v/v	6.4 fl. oz./acre	12.8 fl. oz./acre	19.2 fl. oz./acre	25.6 fl. oz./acre	32.0 fl. oz./acre
1.25% v/v	8.0 fl. oz./acre	16.0 fl. oz./acre	24.0 fl. oz./acre	32.0 fl. oz./acre	40.0 fl. oz./acre
1.50% v/v	9.6 fl. oz./acre	19.2 fl. oz./acre	28.8 fl. oz./acre	38.4 fl. oz./acre	48.0 fl. oz./acre
1.75% v/v	11.2 fl. oz./acre	22.4 fl. oz./acre	33.6 fl. oz./acre	44.8 fl. oz./acre	56.0 fl. oz./acre
2.00% v/v	12.8 fl. oz./acre	25.6 fl. oz./acre	38.4 fl. oz./acre	51.2 fl. oz./acre	64.0 fl. oz./acre

SPECIFIC USE INSTRUCTIONS:

Decision-making for IPM:

Scouting, monitoring, sampling, record-keeping, and predictive models are techniques to determine *if* and *when* insecticide/miticide applications are needed. The application schedule should coincide with the most vulnerable stage of the pest. For azadirachtin, target the most vulnerable stages of young larvae and young nymphs. The early larval stages and the early instar stages are more susceptible to this IGR than the later stages of the same pests.

For Lepidoptera:

- Armyworms: Apply when larvae are small.
- Bagworms: Apply when bags are small and larvae are actively feeding.
- Gypsy moth larvae: Apply when larvae are small and all eggs have hatched.
- Spruce budworms: Apply when larvae are exposed and actively feeding.

For Acarina:

- Spider mites: Apply when nymphs are first observed and before mite populations have become severe. Use multiple applications with 7-10 day intervals until infestation is controlled. Thorough coverage of both upper and lower leaf surfaces is needed.

For Thysanoptera:

- Thrips: Apply early at first signs of infestation and repeat until infestation is controlled.

For Hymenoptera:

- Sawfly: Apply when larvae are small. Refer to tree injection method of this label.

For Hemiptera and Homoptera:

- Leafhoppers: Apply when first observed and repeat applications at 5 - 7 day intervals.
- Mealybugs: Obtain thorough coverage of leaves and twigs.
- Scale: Obtain thorough coverage of leaves and twigs.

For Coleoptera:

- Beetles: Apply early at first signs of infestation and repeat applications at 7 - 10 day intervals.
- Japanese beetle (adults): Use foliar applications to repel adult feeding and treat at 5 - 7 day intervals.

For Diptera:

- Leafminers: Apply early to larvae when stippling or mining of leaves is first observed. Repeat applications at 7 - 10 day intervals until infestation is controlled.

17/23

TURFGRASS ESTABLISHED IN RESIDENTIAL (LAWNS), INSTITUTIONAL, PUBLIC, COMMERCIAL AND INDUSTRIAL SITES, PARKS, RECREATIONAL AREAS, GOLF COURSES, SOD FARMS, AND ATHLETIC FIELDS

Use NeemAzal 0.6% EC Insecticide to control the pests presented in Table 5. Dilute NeemAzal 0.6% EC Insecticide in water.

The most vulnerable stage to this product is young larvae and nymphs. Schedule treatments for the early larval stages and early instars when populations are established, but before turf damage becomes noticeable.

The maximum rate on turfgrass of NeemAzal 0.6% EC Insecticide is 112 fl. oz. of product per acre per application or 2.6 fl. oz. product per 1,000 sq. ft. per application. Apply at a rate up to 112 fl. oz. of product per acre. Use the higher rate specified on this label for moderate to heavy infestations.

Irrigation:

Avoid (delay or postpone) irrigation for 12 - 24 hours after application of this product.

Mowing:

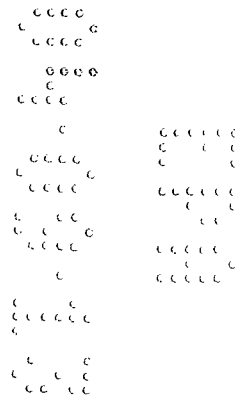
Avoid (delay or postpone) mowing of the treated area for 12 - 24 hours after treatment.

Degree day and plant phenology models can assist in developing the appropriate application schedule for the target pests. Consult your state university or local Cooperative Extension Service office for specific pest control application timing in your area.

NeemAzal 0.6 EC Insecticide can be tank mixed with other insecticide/miticides if a broader spectrum of pest control is required. Observe all precautionary statements and follow all label directions of companion product(s).

Specific Use Instructions:

1. Armyworms: Apply during the early morning or late afternoon to maximize control.
2. Sod webworm larvae: Applications in the late afternoon or early evening can maximize control.



18/23

TABLE 5. APPLICATION RATES FOR TURFGRASS ESTABLISHED IN RESIDENTIAL (LAWNS), INSTITUTIONAL, PUBLIC, COMMERCIAL AND INDUSTRIAL SITES, PARKS, RECREATIONAL AREAS, GOLF COURSES, SOD FARMS, AND ATHLETIC FIELDS.

USE	PESTS	Amount of NeemAzal 0.6EC		Spray Volumes		Number of Applications & Interval Days
		fl. oz./acre	fl. oz./1,000 sq. ft.	gals./acre	gals./1000 sq. ft.	
Cool-Season and Warm-Season Turfgrass	Larvae and nymphs of these pests including but not limited to: Armyworms Bermudagrass mite Cutworms Grasshopper Sod webworm Ticks Chiggers	Up to 112 fl. oz.	Up to 2.6 fl. oz.	40 - 100 gpa	1-2 gal/1,000 sq. ft.	As needed, 7 days



19/23

DRENCH APPLICATION FOR GREENHOUSES, NURSERIES, INTERIORSCAPES AND FOR PLANTS GROWN IN CONTAINERS:

Use NeemAzal 0.6 EC Insecticide as a soil drench for effective control of soil-borne insect larvae, including soil-borne larvae of foliar pests, such as fungus gnats, nematodes, or soil borne thrips. When applying as a drench, avoid excessive leaching.

Preventive applications as a soil drench may be warranted for certain pests. Soil drench applications of azadirachtin will have a slower rate of activity because of soil absorption when compared to foliar applications of azadirachtin. Target the initial application of a soil drench treatment to coincide with the early stages of young larvae and young nymphs.

Dilute NeemAzal 0.6 EC Insecticide with water for concentrations of 0.28 to 0.32% vol/vol. Drench the soil in the pot with one (1) pint of finished spray per 1.0 gallon of soil. For fungus gnats, use the 0.28% spray concentration. For mushroom fly maggot control, use the 0.30% vol/vol spray concentration. For leafminers and other difficult to control pests, use the 0.32 % vol/vol spray concentration. Two to three (2-3) applications should be scheduled at 10-14 day intervals until the pest pressure has ended.

DILUTION TABLE FOR DRENCH APPLICATIONS

Gallons of Water	Amount of NeemAzal 0.6 EC Insecticide				Application Interval	Number of Applications
	0.28%	0.29%	0.30%	0.32%		
1 gallon	10.6 Tbs.	11.0 Tbs.	11.4 Tbs.	12.1 Tbs.	10 - 14 days	2 - 3
5 gallons	1.8 fl. oz.	1.9 fl. oz.	1.9 fl. oz.	2.0 fl. oz.	10 - 14 days	2 - 3
10 gallons	3.6 fl. oz.	3.8 fl. oz.	3.8 fl. oz.	4.0 fl. oz.	10 - 14 days	2 - 3
100 gallons	36 fl. oz.	38 fl. oz.	38 fl. oz.	40 fl. oz.	10 - 14 days	2 - 3

NeemAzal 0.6 EC Insecticide can also be applied through sub-surface treatment equipment. Always follow manufacturer's use directions.

INSTRUCTIONS FOR GARDEN CROPS, VEGETABLES, HERBS AND SPICES, FRUITS, AND BERRIES

- 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.

SPRAY EQUIPMENT

Use any suitable application equipment to ensure uniform coverage.

USE RATES

Apply NeemAzal 0.6 EC Insecticide as directed to any food or non-food crop up to and including the day of harvest, at a maximum rate of 112 fl. oz. (20 grams active ingredient) per acre (2.6 fl. oz. per 1,000 sq. ft.) per application. Rates in Table 6 pertain to typical pest infestations.

Apply NeemAzal 0.6 EC Insecticide alone to food/garden crops on the day of harvest.

Dilute this product with water at 1- 8.0 tablespoons (Tbs) per gallon of water. For hose end sprayers, set the RATE PER GALLON at the dial setting of 1 to 8.0 Tbs. depending on the crop and pests. Use the lower RATE PER GALLON for low to moderate infestations and use the higher specified RATE PER GALLON for severe infestations.

TABLE 6. USE RATES FOR GARDEN CROPS, VEGETABLES, HERBS AND SPICES, BERRIES AND FRUIT.

CROP	PESTS such as:	Dilution Rate for Sprayers	
		Fl. Oz. of product per 1,000 Sq. Ft.	Tbs. of product per 1.0 gallon of water
Leafy Vegetables including but not limited to: Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Endive, Kale, Lettuce, Spinach	Leafrollers, Cutworms, Loopers, Armyworms	0.38 - 1.92 fl. oz.	1 ½ - 7 ½ Tbs.
	True Bugs, Leafhoppers, Whiteflies, Aphids, Beetles, Weevils, Flies, Thrips, Mites	0.48 - 0.1.92 fl. oz.	1 ¼ - 7 ½ Tbs.
Root Vegetables, including but not limited to: Beet, Carrot, Horseradish, Parsnip, Potato, Radish, Sweet potato, Turnip, Yams	Beetles, Weevils	0.48 - 1.92 fl. oz.	1 ¼ - 7 ½ Tbs.
	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Thrips, Mites	0.48 - 1.92 fl. oz.	1 ¼ - 7 ½ Tbs.
Fruiting Vegetables including but not limited to: Eggplant, Pepper, Tomatillo, Tomato	Beetles, Weevils	0.48 - 1.92 fl. oz.	1 ¼ - 7 ½ Tbs.
	Thrips	0.58 - 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms,	0.48 - 1.92 fl. oz.	1 ¼ - 7 ½ Tbs.

20/23

CROP	PESTS such as:	Dilution Rate for Sprayers	
		Fl. Oz. of product per 1,000 Sq. Ft.	Tbs. of product per 1.0 gallon of water
	Loopers, Armyworms, Flies, Mites		
<i>Cucurbit Vegetables including but not limited to: Cucumber, Gourd (edible), Muskmelon, Pumpkin, Squash, Watermelon, including Cantaloupe, Casaba, Gherkins, Melons (including hybrids), Zucchini</i>	Beetles, Weevils	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	Thrips	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.48 – 1.92 fl. oz.	1 ¾ - 7 ½ Tbs.
<i>Legume Vegetables including but not limited to: Bean, Chickpea, Lentil, Pea</i>	Beetles, Weevils	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	Thrips	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.48 – 1.92 fl. oz.	1 ¾ - 7 ½ Tbs.
<i>Bulb Vegetables including but not limited to: Garlic, Onion, Shallot</i>	Beetles, Weevils	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	Thrips	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.48 – 1.92 fl. oz.	1 ¾ - 7 ½ Tbs.
<i>Berries including but not limited to: Blackberry, Blueberry, Raspberry, Strawberry, others include: Boysenberry, Currants, Dewberry, Elderberry, Gooseberry, Loganberry</i>	Beetles, Weevils	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	Thrips	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.48 – 1.92 fl. oz.	1 ¾ - 7 ½ Tbs.
<i>Herbs and Spices including but not limited to: Chive, Dill, Fennel, Mustard, Sage, Sweet bay, others include: Anise, Balm, Basil, Black pepper, Borage, Caraway, Catnip, Chamomile, Coriander, Cumin, Curry leaf, Dandelion, Fenugreek, Horehound, Hyssop, Marjoram, Marigold, Mint, Nasturtium, Pennyroyal, Peppermint, Rosemary, Savory, Spearmint, Tansy, Tarragon, Thyme, Wintergreen, Woodruff, Wormwood</i>	Beetles, Weevils	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	Thrips	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.48 – 1.92 fl. oz.	1 ¾ - 7 ½ Tbs.
<i>Nut Trees including but not limited to: Almond, Brazil nut, Filbert, Hickory nut, Pecan, Pistachios, Walnut</i>	Beetles, Weevils	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	Thrips	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.48 – 1.92 fl. oz.	1 ¾ - 7 ½ Tbs.
<i>Pome Fruits including but not limited to: Apple, Quince, or Pear (Comice varieties: DO NOT apply more than 24 fl oz/A. DO NOT apply after pink stage of flowering; test small areas of other varieties of pears for plant safety prior to full scale useage.)</i>	Beetles, Weevils	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	Thrips	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.48 – 1.92 fl. oz.	1 ¾ - 7 ½ Tbs.
<i>Stone Fruits including but not limited to: Apricot, Cherry, Nectarine, Peach, Plum</i>	Beetles, Weevils	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	Thrips	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.
	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.48 – 1.92 fl. oz.	1 ¾ - 7 ½ Tbs.
<i>Citrus Fruits including but not limited to: Grapefruit,</i>	Beetles, Weevils	0.58 – 1.92 fl. oz.	2 ¼ - 7 ½ Tbs.

2/23

CROP	PESTS such as:	Dilution Rate for Sprayers	
		Fl. Oz. of product per 1,000 Sq. Ft.	Tbs. of product per 1.0 gallon of water
Lemon, Lime, Orange others include: Citrus Citron, Mandarin (tangerine), Nectarine, Satsuma (orange mandarin), Tangerine	Thrips	0.58—1.92 fl. oz.	2 ¼- 7 ½ Tbs.
	True Bugs, Leafhoppers, Whiteflies, Aphids, Leafrollers, Cutworms, Loopers, Armyworms, Flies, Mites	0.48 - 1.92 fl. oz.	1 ¾- 7 ½ Tbs.

CHEMIGATION GENERAL INFORMATION

NeemAzal 0.6 EC Insecticide may be applied through drip (trickle) or sprinkler irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues can result from non-uniform distribution of treated water. Questions concerning calibration should be directed to your State Extension Service Specialist, the equipment manufacturer or other expert.

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. Direct your questions concerning calibration to your State Extension Service Specialist, the equipment manufacturer, or other expert. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise.

Dilute NeemAzal 0.6 EC Insecticide with water before introduction into the system. Use the diluted solution within 8 hours. Do not apply in irrigation water if the pH exceeds 7.0. The optimum pH range for application is 5.5 to 6.5. The pH of the irrigation water can be adjusted by use of a suitable buffering agent. Agitation is necessary. Apply at the specified rate using sufficient water to achieve an even distribution within an 8-hour period. Do not apply NeemAzal 0.6 EC Insecticide at a rate that exceeds 7.0 pints (112 fl.oz) or active ingredient 20 gms/ per acre/application.

Caution must be exercised in irrigation waters with a pH greater than 7. If the irrigation cycle will last longer than 8 hours and the Neemazal 0.6 EC Insecticide is premixed in the supply tank, the tank mix must be buffered to a pH of 8 or lower.

Precautions For Chemigation Systems Connected To A Public Water System

Public water system 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 at least 25 individuals daily at least 60 days out of a year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone (RPZ), backflow preventer or the functional equivalent in the water supply line 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 flow outlet end of the fill pipe and the top of overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection.

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.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in the cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected. 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 fitted with a system interlock.

Do not apply when wind speeds favor drift beyond the area intended for treatment.

Operation Of Sprinkler Chemigation Or Drip (Trickle) Utilizing A Pressurized Water And Pesticide Injection System: 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. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid toward the injection pump. 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.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. 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 fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

23/23

Advertising claims that may be presented on the retail container label or on the labeling accompanying the product.

- Controls mites, caterpillars, whiteflies, thrips, aphids, and other insects as listed on this label.
- Organic certified
- Controls chewing and sucking insects
- Seven to Fourteen (7-14) day residual
- Tank-mix flexibility
- CAUTION signal word
- Low-odor formulation
- Broad-spectrum control
- Can be applied the day of harvest
- For use on a wide variety of trees, shrubs, flowers, fruit and nut trees, garden vegetables and plants
- Low (Mild) odor
- Not persistent in the environment
- Organic Materials Review Institute (OMRI) Certified.

