

1021-1872

08-16-2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460-0001

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 16, 2011

Mr. Thomas A. Lennan,
Regulatory Affairs Specialist
McLaughlin Gormley King Company
8810 Tenth Avenue North
Minneapolis, MN 55427-4319

**Subject: Amendment to Label Notification(s); Pesticide Registration Notification (PRN) 98-10
MGK® MGK-2905, EPA Reg. No. 1021-1872
Your Submission Dated July 29, 2011**

Dear Mr. Lennan:


The Agency is in receipt of your application for Pesticide Notification under Pesticide Registration Notification (PRN) 98-10 (addition of newly submitted alternate brand names), dated July 29, 2011, for the referenced product. The Registration Division has conducted a review of this request for its applicability under PRN 98-10, and finds that the action(s) requested fall within the scope of PRN 98-10.

The label submitted along with the referenced application has been time-stamped "Notification," and will be placed within the administrative file for this product. If you have any questions, please contact Mr. Carmen J. Rodia, Jr. at (703) 306-0327 or via e-mail at Rodia.Carmen@epa.gov.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Richard J. Gebken".

Richard J. Gebken
Product Manager (10)
Insecticide Branch
Registration Division (7504P)

 <p>United States Environmental Protection Agency Washington, DC 20460</p>	x	Registration Amendment Other	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number 1021-1872	2. EPA Product Manager Richard Gebken	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) MGK 2905	PM# 10	
5. Name and Address of Applicant (Include Zip Code) McLAUGHLIN GORMLEY KING COMPANY 8810 TENTH AVENUE NORTH MINNEAPOLIS, MN 55427 <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 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.)

NOTIFICATION

AUG 16 2011

Notification of Alternate Brand Names per PR-Notice 98-10

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 checked="" 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 checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 Galon		5. Location of Label Directions <input checked="" 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"/> 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 Thomas A. Lennan	Title Regulatory Affairs Specialist	Telephone No. (Include Area Code) (763) 544-0341
Certification 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 	3. Title Regulatory Affairs Specialist	
4. Typed Name Thomas A. Lennan	5. Date 7/29/2011	

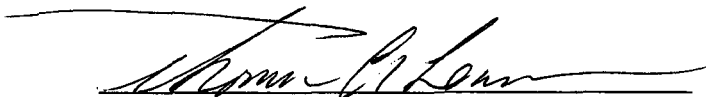
Certification with Respect to Label Integrity

version: 9/11/02

I certify that the information (including, but not limited to, text, tables, and graphics) contained in the electronic file identified below by file name and submitted with this certification is the same information as that on the paper copies of these documents included with this submission.

PROPOSED LABEL		
EPA Registration #	Date Submitted to EPA	Electronic file name
1021-187λ	07/29/2011	001021-01872.20110729.2905_NOTIF

I certify that the statements that I have made on this form are true, accurate, and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law.


 Thomas A. Lennan
 Regulatory Affairs Specialist

07/29/2011
 Date

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McLAUGHLIN GORMLEY KING COMPANY
8810 Tenth Avenue North • Minneapolis, MN 55427-4319 U.S.A.
763-544-0341 • 800-645-6466 • Fax 763-544-6437 • www.mgk.com

NOTIFICATION

AUG 16 2011

July 29, 2011

Document Processing Desk (NOTIF)
U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs (H7504P)
Room S-4900, One Potomac Yard
2777 South Crystal Dr.
Arlington, VA 22202-4501

Via Courier

NOTIFICATION

AUG 16 2011

Subject: MGK® 2905
EPA Reg. No. 1021-1872
Notification of Alternate Brand Names per PR Notice 98-10

Dear Sir or Madam:

By Notification we would like to add the following alternate brand names to the subject product:

- PyZera
- PyZera Insecticide
- Azera Plus
- Azera Plus Insecticide

Enclosed are 2 copies of the product label with Alternate Brand Names and 1 copy of the highlighted label.

To assist the Agency in the review of these labels, please refer to the enclosed compact disc with copies of the labels in PDF format.

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 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, then 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.

If there are any questions or you need anything further, please contact this office.

Sincerely,
McLaughlin Gormley King Company

Thomas A. Lennan
Regulatory Affairs Specialist

Enclosure



McLAUGHLIN
GORMLEY
KING COMPANY

MGK - 2905

8810 Tenth Avenue N. / Minneapolis, Minnesota 55427-4319 U.S.A. - Telephone (763) 544-0341

MGK – 2905

[Alternate Brand Names:
AZERA Insecticide
AZERA Gardening
PyZera
PyZera Insecticide
Azera Plus
Azera Plus Insecticide]

NOTIFICATION

AUG 16 2011

MASTER LABEL

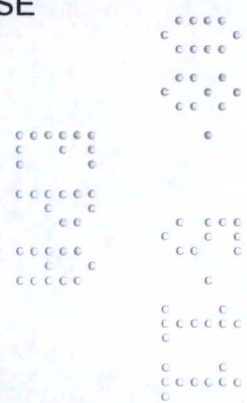
SUB-LABEL A: AGRICULTURAL/COMMERCIAL USE
SUB-LABEL B: GARDENING / RESIDENTIAL USE

ACTIVE INGREDIENTS:

Azadirachtin	1.20%
Pyrethrins, a botanical insecticide	1.40%
OTHER INGREDIENTS	97.40%
	<hr/>
	100.00%

MGK® - Registered trademark of McLaughlin Gormley King Company

Contains: 0.10 lbs of azadirachtin and 0.11 lbs of pyrethrins per gallon.



**KEEP OUT OF REACH OF CHILDREN
CAUTION PRECAUCIÓN**

Net Contents _____
Manufactured by:
Mc LAUGHLIN GORMLEY KING COMPANY
8810 Tenth Avenue North
Minneapolis, MN 55427
EPA Reg. No. 1021 - 1872 EPA Est. No. 1021-MN-2

MGK – 2905

[Alternate Brand Names: AZERA Insecticide
PyZera
PyZera Insecticide
Azera Plus
Azera Plus Insecticide]

SUB-LABEL A: AGRICULTURAL/COMMERCIAL USE

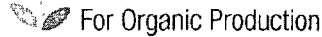
NOT FOR RESIDENTIAL USE

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2905- 0510



McLAUGHLIN
GORMLEY
KING COMPANY



AZERA INSECTICIDE
[PYZERA]
[PYZERA INSECTICIDE]
[AZERA PLUS]
[AZERA PLUS
INSECTICIDE]

8810 Tenth Avenue N. / Minneapolis, Minnesota 55427-4319 U.S.A. - Telephone (763) 544-0341

- Kills listed pests on contact or by ingestion
- Contains Pyrethrins, a botanical insecticide derived from chrysanthemums
- Kills a broad spectrum of listed insects including aphids, whiteflies, leafminers and caterpillars
- Quick knock-down, and kill
- Kills larval, pupae, and adult stages of listed insects
- This product can be sprayed at any season of the year
- Can be tank mixed with other allowed organic products
- Insect growth regulator activity on immature life stages
- Non-corrosive to spray equipment

ACTIVE INGREDIENTS:

Azadirachtin	1.20%
Pyrethrins	1.40%
OTHER INGREDIENTS	97.40%
	<u>100.00%</u>

MGK® - Registered trademark of McLaughlin Gormley King Company

Contains: 0.10 lbs of azadirachtin and 0.11 lbs of pyrethrins per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION PRECAUCIÓN

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).

FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none"> ▪ Call 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 the poison control center or doctor. ▪ Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> ▪ Hold eye open and rinse slowly and gently with water for 15-20 minutes. ▪ Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. ▪ Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call 1-888-740-8712.	

Net Contents _____

Manufactured by:

Mc LAUGHLIN GORMLEY KING COMPANY

8810 Tenth Avenue North

Minneapolis, MN 55427

EPA Reg. No. 1021 - 1872

EPA Est. No. 1021-MN-2

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with plenty of soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear protective eyewear. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves (such as barrier laminate, nitrile rubber, neoprene rubber, or viton, Selection Category E).

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear: Long-sleeved shirt and long pants; Chemical-resistant gloves (such as Barrier Laminate, Nitrile Rubber, Neoprene Rubber, or Viton; Selection Category E). Shoes plus socks.

USER SAFETY REQUIREMENTS

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

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

ENGINEERING CONTROLS

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)]

Human flagging is prohibited. Flagging to support aerial application is limited to use of Global Positioning System (GPS) or mechanical flaggers.

USER SAFETY RECOMMENDATIONS:

Users should:

Wash hands thoroughly with plenty of soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms, including fish and invertebrates. Drift and run-off may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through run-off. This product has a potential for run-off for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce run-off that contains this product.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Do not apply directly to water, 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 wash-waters or rinsate. See Directions for Use for additional precautions and restrictions.

PHYSICAL OR CHEMICAL HAZARDS

Combustible: Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

USE RESTRICTIONS

- Apply this product only as specified on this label.
- Do not contaminate food or feedstuffs.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift.

- Do not enter or allow others to enter until sprays have dried.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until vapors, mists and aerosols have dispersed.
- Only protected handlers may be in the area during application.
- Do not wet plants to the point of runoff or drip.
- Do not apply directly to or near water, storm drains or drainage ditches. Do not apply when windy. To prevent product run-off, do not over water the treated area(s) or apply when heavy rain is expected. Rinse applicator over lawn or garden area only.
- Do not apply more than 1 time per day.
- Do not apply more than 10 times per season.
- Do not reapply within 3 days except under extreme pest pressure.
- In case of extreme pest pressure, do not reapply within 24 hours.

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.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls;
- Chemical-resistant gloves, such as Barrier Laminate, Nitrile Rubber, Neoprene Rubber, or Viton;
- Shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to 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.

Keep unprotected persons out of treated areas until sprays have dried.

Wear protective clothing when using or handling this product to help avoid exposure to eyes and skin. Gloves, a long-sleeved shirt and long-pants are recommended.

Allow spray to dry before allowing adults, children or pets on treated areas.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Directions:

Phytotoxicity: –AZERA Insecticide has been evaluated for phytotoxicity on a wide range of plants. However, since testing on all varieties of all plants is not feasible, nor is testing of all possible combinations or sequences of pesticide sprays including fertilizers, surfactants and adjuvants. Before making tank mix combinations with MGK - 2905, or before making widespread applications, it is recommended to treat a limited number of plants and observe for phytotoxicity over a 10-day period. It is further recommended that spray equipment used to apply MGK - 2905 be thoroughly cleaned before use.

Mode of Action: –AZERA Insecticide kills target pests quickly by contact or ingestion. It also kills listed insects by interfering with the molting process and as a adulticide. It is effective on all larva stages, pupae, and adults.

pH: The pH should be adjusted to a pH of 5.5-7.0.

Honey Bees: To avoid possible harm to honey bees, it is advisable to apply in early morning or late evening hours.

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RATE CHART:

		<i>Most commonly used rate</i>	<i>Rates for treating high populations of adults and/or hard to kill insects</i>	
AZERA INSECTICIDE	1 Pint per acre 16 fl. oz. (473 mL)	2 Pints per acre 32 fl. oz. (946 mL)	3 Pints per acre 48 fl. oz. (1.42L)	3.5 Pints per acre 56 fl. oz. (1.66L)
Acres per Quart	2	1	0.67	0.57
Acres per Gallon	8	4	2.7	2.3

DILUTION RATES:

Conventional Equipment	In sufficient water for thorough coverage. Dilution in a minimum of 30 gallons (114 L) of water per acres is recommended
Hand sprayers	1 - 2 fluid ounces (30- 60 mL) of -AZERA Insecticide per gallon (3.8L)of water
Arial Application	This product may be applied by air at the rate of 16 - 56 fluid ounces (473 mL - 1.9L) per acre in a minimum of 25 gallons (95L)of water
Greenhouse	Dilute 53 - 107 fl. oz. (1567 - 3164 ml) with 100 gallons (378.54 L) of water for applications with conventional hydraulic sprayers or 1 to 2 fl. oz. (30 - 60 ml) per one gallon (3.8 L) of water or applications with compressed sprayers. Use 2.3 gallons (8.71 L) of spray solution per 1,000 sqaure feet (93 m ²).

MIXING DIRECTIONS:

USED ALONE:

- Mix only enough for immediate use
- Shake AZERA Insecticide well before using.
- Dilute AZERA Insecticide in sufficient water to obtain thorough coverage.
- Fill clean spray tank ½ to ¾ of the water to be sprayed and begin agitation.
- Add the appropriate amount of AZERA Insecticide to the spray tank.
- Fill the tank with the remaining water and agitate thoroughly.
- Adjust spray solution to pH of 5.5 - 7.0, if outside of that range.
- Apply product promptly after mixing.
- Complete coverage of all leaf surfaces is essential for optimum results.
- If the mixture is not applied immediately after mixing, agitate before application.

USED IN A TANK MIX:

- This product may be tank mixed with most other insecticides, acaricides, fungicides, adjuvants, foliar fertilizers, and wetting agents.
- This application should conform to accepted use precautions and directions for all products in tank mix.
- Tank mix applications must be made in accordance with the more restrictive of label limitations and precautions. No label application rates may be exceeded. This product cannot be mixed with any product with label prohibitions against such mixing.

COMPATIBILITY:

Since variation in climatic conditions, cultural practices and other factors can affect compatibility, prior to tank-mixing, a compatibility test should be conducted using the proper proportions of products and water to ensure the physical compatibility of the mixture. To test for compatibility, mix a small amount of each product to the appropriate proportions in a small jar.

APPLICATION DIRECTIONS:

Spraying should begin when listed insects first appear. Do not wait until plants are heavily infested. Repeat application as required to maintain effective kill, but not more than every 5 - 7 days. For foliar application, apply AZERA Insecticide 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. Do not wet plants to the point of runoff or drip. Do not apply when wind speed favors drift beyond the area intended for treatment. When pest pressure is extreme or plant canopy is dense, use higher rates and do not reapply within 24 hours. If possible apply in the early morning, or evening hours. The reduced UV exposure and lower temperatures will increase the performance and reduce the impact on pollinators.

AZERA Insecticide may be applied using any powered or manual pesticide application equipment including: high volume, low volume, ultra-low volume, electrostatic, fogging and chemigation. Follow the original manufacturer's instructions when using these type of equipment.

SOIL DRENCH DIRECTIONS:

Apply AZERA Insecticide as a drench to soil or non-soil media to kill soil-borne insect larvae (e.g. Fungus Gnats). Apply AZERA Insecticide in sufficient water and for sufficient duration so as to distribute the application rate evenly to the entire treated area.

Apply to moderately moist soils. Use volumes that thoroughly wet the soil, but do not cause significant surface runoff or excessive drip from pots.

CHEMIGATION DIRECTIONS:

Apply this product only through sprinkler (including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move) irrigation systems. Do not apply this product through any other type of irrigation system.

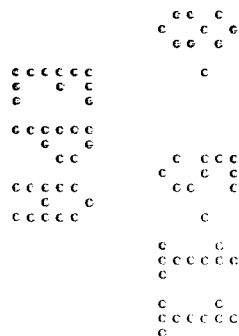
- Plant injury, lack of effectiveness, or illegal pesticide residues in the plant can result from non-uniform distribution of treated water.
- If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
- Do not connect an 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.
- A person knowledgeable of the chemigation system and responsible for the operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

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 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 pump motor stops. The irrigation line or water pump must include a functional pressure valve which 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.

Constant agitation must be maintained in the chemical supply tank during the entire period of insecticide application. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of more dilute suspension per unit of time.



To Kill the Following Listed Insects:

Aphids including:	Hickory Shuckworms
Apple Aphids	Hornworms
Alfalfa Aphids	Imported Cabbageworms
Artichoke Aphids	Lawn Armyworms
Bean Aphids	Lesser Webworm Loopers
Black Maringed Aphids	Melonworms
Black Bean Aphids	Navel Orangeworms
Black Peach Aphids	Oriental Fruit Moths
Blue alfalfa Aphids	Pecan Nut Case bearers
Cabbage Aphids	Rindworms
Cotton / Melon Aphids	Sod Webworms
Cowpea Aphids	Southern Armyworms
European Asparagus Aphids	Soybean Loopers
Filbert Aphids	Saltmarsh Caterpillars
Foxglove Aphids	Tent Caterpillars
Green Peach Aphids	Tobacco Budworms
Lettuce Aphids	Tomato Hornworms
Lettuce Root Aphids	Tomato Fruitworms
Melon Aphids	Tomato Pinworms
Pea Aphids	Yellow striped Armyworms
Potato Aphids	Walnut Caterpillars
Rose Aphids	Webworms
Spotted Alfalfa Aphids	Western Yellow-Striped Armyworms
Willow Carrot Aphids	Western Grapeleaf Skeletonizers
Armyworms, Caterpillars and Loopers including:	
Alfalfa Caterpillars	Beetles and Weevils including :
Artichoke Plume Moths	Alfalfa Weevils
Bagworms	Asparagus Beetles
Beet Armyworms	Bean Beetles
Black Cutworms	Bean Leaf Beetles
Budworms	Black Vine Weevils
Cabbage Loopers	Blister Beetles
Cankerworms	Boll Weevils
Carpenterworms	Carrot Weevils
Citrus Cutworms	Chestnut Weevils
Corn Earworms	Clover Weevils
Cross-striped Cabbageworms	Colorado Potato Beetles
Cutworms	12-spotted Cucumber Beetles
Diamondback moths	Cucumber Beetles
Eastern Tent Caterpillars	Darkling Beetles (lesser meal worms)
Fall Armyworms	Egyptian Alfalfa Weevils
Fall Cankerworms	Elm Leaf Beetles
Fall Webworms	Flea Beetles
Filbert Worms	Fuller Rose Beetles
Fireworms	Grape Bud Beetles
Forest Tent Caterpillars	Japanese Beetles
Garden Webworms	June Beetles
Grapefruit Worms	Mexican Bean Beetles
Grape Leaf Skeletonizers	Navel Orangeworms (NOW)
Green Fruit Worms	Pecan Weevils

Pink Bollworms	Leafrollers:
Potato Flea Beetles	Blueberry Leafrollers
Rice Weevils	Filbert Leafrollers
Rose Chafers	Fruit Tree Leafrollers
Saw-toothed Grain Beetles	Grape Leafrollers
Strawberry Beetles	Oblique Banded Leafrollers
Twig Girdlers	Omnivorous Leafrollers
All other beetles and weevils	Orange Tortrix

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	Western Avocado Leafrollers	
Borers such as		
European Corn Borers	Moths	
Pacific Flatheaded Borers	Artichoke Plume Moths	
Peach Tree Borers	Codling Moths	
Peach Twig Borers	Diamondback Moths	
Squash Vine Borers	European Pine Tip Moths	
Shotbole Borers	Grape Berry Moths	
Branch and Twig Borers	Gypsy Moths (adult & larvae)	
	Indian Meal Moths	
Flies	Mediterranean Flour Moths	
Australian Sod Flies	Pine Tip Moths	
Caribbean Fruit Flies	Tussock Moths	
Crane Flies		
Fruit Flies	Whiteflies	
Fungus Gnats	Greenhouse Whiteflies	
Hessian Flies	Silverleaf Whiteflies	
	Sweetpotato Whiteflies	
Mediterranean Fruit Flies		
Melon Flies	Other	
Mushroom Flies	Ants (except Pharaoh, Harvester, Carpenter and Fire Ants)	
Oriental Fruit Flies	Apple Maggots	
Olive Fruit Flies	Billbugs	
	Brown Marmorated Stinkbug	
Sawflies	Cabbage Maggots	
Shore Flies	Clover Mites	
Vinegar Flies	Cutworms	
Walnut Husk Flies	Crickets	
	Dichondra Flea Beetles	
Leafhoppers & Sharpshooters:	Earwigs	
Aster Leafhoppers	Firebrats	
Beet Leafhoppers	False Chinch Bugs	
Glassy-winged Sharpshooters	Garden Symphylan	C C C C C
Grape Leafhoppers	Garden Tortrix	C E F F F C
Potato Leafhoppers	Glassy Winged Sharpshooters	C C C C C
Variogated Leafhoppers	Grasshoppers	C C C C C
Three-Cornered Alfalfa hoppers	Harlequin Bugs	E C C C E E
	Grape Phylloxera	E C E
	Katydids	C C C C C C
Leafminers	Leaffooted Plant Bug	C C C C C
Citrus Leafminers	Lace Bugs	C C C C C C C C
Holly Leafminers	Leaf tiers	C C C C C C C C
Sepentine Leafminers	Lice	C C C C C C C C
Vegetable Leafminers	Lygus	C C C C C C C C
	Lace bug	C C C C C C C C
	Mealybugs (all)	C C C C C C C C
Midges (plant pests)		
Millipedes	Psyllids	
Onion Maggots	Pear Psylla	
Plant Bugs		
Proba Bugs		
Scale Insects	Thrips	
Silverfish	Avocado thrips	
Skippers	Citrus Thrips	
Soft Scales	Flower Thrips	
Spider Mites	Greenhouse Thrips	
Sowbugs	Thrips Palmi	
Spiders (except Black Widow and Brown Recluse Spiders)	Western Flower Thrips	
Springtails		
Squash Bugs		
Stink Bugs		
Tarnished Plant Bugs		
Spittle Bugs		
Wireworms		
European Chafers		

Northern Masked Chafers	
Southern Masked Chafers	
Western Boxelder Bugs	

FOR USE ON GROWING CROPS (OUTDOORS AND IN GREENHOUSES):

ROOT AND TUBER VEGETABLES AND THEIR LEAVES AND ROOTS: Including: Arracacha, Arrowroot, Purple Arrowroot, Japanese Artichokes, Jerusalem Artichokes, Garden Beets, Sugar Beets, Edible Burdock, Edible Canna, Carrots, Cassava (bitter or sweet), Celeriac, Celery Root, Chayote (root), Chervil (turnip rooted), Chicory, Chufa, Dasheen (Taro), Ginger, Ginseng, Horseradish, Jicama, Leren, Parsley (turnip rooted), Parsnips, Potatoes, Radishes, Japanese Radishes (Daikon), Rutabaga, Salsify (oyster plant, black, Spanish), Skirret, Sweet Potatoes, Tanier, Turmeric, Turnips, Yam Beans (jicama, manioc pea), Yams (true).

BULB VEGETABLES: Including: Garlic, Great-headed Garlic, Leeks, Onions (bulb and green), Shallots, Welch.

LEAFY VEGETABLES: Including: Amaranth (Leafy Amaranth, Chinese Spinach, Tampala), Arugula, Cardoon, Celery, Chinese Celery, Celtuce, Chervil, Cilantro, Corn Salad, Chrysanthemum (edible-leaved), Chrysanthemum (garland), Cress (garden, water), Upland Cress (yellow rocket, winter cress), Dandelion, Dock (sorrel), Endive (escarole), Fennel (Florence), Leeks, Lettuce (head and leafy), Mustard Greens, Orach, Parsley, Purslane (garden & winter), Radicchio, Rhubarb, Spinach, Fine Spinach (Malabar, Ceylon), Tendergreens, Spinach (New Zealand), Swiss Chard, Turnip Greens, Watercress.

BRASSICA (COLE) LEAFY VEGETABLES: Including: Broccoli, Chinese Broccoli (Gai Lan), Broccoli raab (Rapini), Brussels Sprouts, Cabbage, Chinese Cabbage (Bok Choy), Chinese Cabbage (Napa), Chinese Mustard Cabbage (Gai Choy), Cauliflower, Cavalo broccolo, Collards, Kale (Flowering, Chinese), Kohlrabi, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens.

LEGUME VEGETABLES (SUCCULENT OR DRIED): Including: Adzuki Beans, Field Beans, Kidney Beans, Lima Beans, Moth Beans, Mung Beans, Navy Beans, Pinto Beans, Rice Beans, Runner Beans, Snap Beans, Tepary Beans, Urd Beans, Wax Beans, Asparagus Beans, Black-eyed Peas, Catjang, Chinese Longbeans, Cowpeas, Chowder Peas, Southern Peas, Yard-Longbeans, Broad Beans, (Fava Beans), Chick Peas (Garbanzo Beans), Guar, Jackbean (Sword Bean), Lablab Bean (Hyacinth Bean), Lentils, Peas (Garden Peas, Field Peas, Sugar Snap Peas, English Pea, Snow Pea), Pigeon Peas, Soybeans, Sweet Lupin Beans, White Lupin Beans, White Sweet Lupin, Sword Bean.

FOLIAGE OF LEGUME VEGETABLES: Including: Plant part of any legume vegetable included in the legume vegetable group that will be used as animal feed including any variety of Beans, Field Peas, Soybeans.

FRUITING VEGETABLES: Including: Eggplant, Ground Cherry, Okra, Pepinos, Pepper (Bell Pepper, Chili Pepper, Cooking Peppers, Pimentos, Sweet Peppers), Tomatillo, Tomatoes.

CUCURBIT VEGETABLES: Including: Balsam Apple, Balsam Pear (Bitter Melon), Chayote (fruit), Chinese Waxgourd (Chinese preserving melon), Chinese Cucumber, Citron Melon, Cucumber, Gherkin, Edible Gourds, Mangoes, Melons (including hybrids, Cantaloupe, Casaba, Charentais, Crenshaw, Golden Pershaw Melon, Honeydew Melons, Honey Balls, Mango Melon, Muskmelon, Persian Melon, Pineapple Melon, Santa Claus Melon, Snake Melon, Yellow Canary), Pumpkin, Squash (summer & winter), Watermelon (OP & hybrids, seeded and seedless).

CITRUS FRUITS: Including: Calamondin, Citrus Citron, Citrus Hybrids, Grapefruit, Kumquats, Lemons, Limes, Mandarin (Tangerine), Nectarines, Orange (sweet & sour), Pummelo, Satsuma Mandarin, (Citrus spp. Includes Chironja, Tangelos, Taggors), Uniq Fruit, White Sapote.

POME FRUITS: Including: Apple, Crabapple, Jujubes, Loquat, Mayhaw, Oriental Pear, Pear, Quince.

STONE FRUITS: Including: Apricot, Cherry (sweet & sour), Nectarine, Peach, Plum, Prune, Chickasaw Plum, Damson Plum, Japanese Plum, Plumcot.

SMALL FRUITS AND BERRIES: Including: Blackberry, Blueberry, Boysenberries, Cranberry, Currant, Dewberry, Elderberry, Gooseberry, Grape, Huckleberry, Loganberry, Olallie Berry, Raspberry (black & red), Strawberry, Youngberry.

TREE NUTS: Including: Almond, Beech Nut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (hazelnut), Hickory nut, Macadamia Nut (Bush Nut), Pecan, Pistachio, Walnut (Black, English, Persian).

ORIENTAL VEGETABLES: Including: Acerola, Atemoya, Balsam Pear (bitter melon), Carambola, Japanese Artichoke, Chinese Broccoli (Gai Lan), Chinese Cabbage (Bok Choy, Napa), Chinese Mustard Cabbage (Gai Choy), Dasheen, Ginger, Ginseng, Chinese Longbeans, Mung Beans, Citron Melon, Japanese Radish (Daikon), Chinese Spinach, Chinese Waxgourd, Cilantro, Citron Melon, Rambutan, Water Chestnut.

SUBTROPICAL FRUITS: Including: Avocado, Banana, Cacao, Carob, Barbados Cherry, Cherimoya, Dates, Durian (Jackfruit), Feijoa, Figs, Guava, Kiwifruit, Lychee, Mango, Papaya, Passion Fruit, Persimmon, Pineapple, Pomegranate.

TROPICAL FRUITS: Including: Papaya, black sapote, Canistel, Mamey Sapote, Mango, Sapodilla, Star Apple, Guava, Feijoa, Jaboticaba, Wax Jambu, Star Fruit, Passion Fruit, Acerola, Lychee, Longan, Spanish Lime, Rambutan, Pulasan, Sugar Apple, Atemoya, Custard Apple, Cherimoya, Llama, Soursop and Biriba.

CEREAL GRAINS: Including: Barley, Buckwheat, Corn (sweet and field), Millet, Proso, Oats, Pearl Millet, Popcorn, Rice, Rye, Sorghum (Milo), Teosine, Triticale, Wheat, Wild Rice.

FORAGE, FODDER AND STRAW OF CEREAL GRAINS: Including: barley; buckwheat; corn (sweet and field); millet; proso; oats; pearl; popcorn; rice; rye; sorghum (milo); teosine; triticale; wheat; wild rice.

GRASSES FOR SEED, FORAGE, FODDER AND HAY Including: any grass (all Gramineacea), (green or cured), except sugarcane and those listed in the cereal grains group) that will be fed to or grazed by livestock, all Pasture and Range Grasses and Grasses grown for hay and silage, Sudangrass, Bermuda Grass, Bluegrass, Bromegrass, Fescue, Orchard, Timothy.

NON-GRASS ANIMAL FEEDS: Including: Alfalfa, Velvet Bean, Clover (White, Ladino, Red), Kudzue, Lespedeza, Lupine, Sainfoin, Trefoil, Crown Vetch, Milk Vetch.

HERBS AND SPICES: Including: Allspice, Angelica, Anise (anise seed), Anise [star], Annatto (seed), Balm (lemon balm), Basil, Borage, Burnet, Camomile, Caper buds, Caraway, Caraway [black], Cardamom, Cassia bark, Cassia buds, Catnip, Celery seed, Chervil (dried), Chicory, Chive, Chive [Chinese], Cinnamon, Clary, Clove buds, Coriander (cilantro or Chinese parsley) (leaf), Coriander (cilantro) (seed), Costmary, Culantro (leaf), Culantro (seed), Cumin, Curry (leaf), Dandelion, Dill (dillweed), Dill (seed), Fennel (common), Fennel [Florence] (seed), Fenugreek, Grains of paradise, Horehound, Hyssop, Juniper berry, Lavender, Lemongrass, Lovage (leaf), Lovage (seed), Mace, Marigold, Marjoram (includes sweet or annual marjoram, wild marjoram or oregano, and pot marjoram), Mint, Mustard (seed), Nasturtium, Nutmeg, Oregano, Mint, Paprika, Parsley (dried), Pennyroyal, Pepper [black], Pepper [white], Peppermint, Poppy (seed), Rosemary, Rue, Saffron, Sage, Savory [summer and winter], Sweet bay (bay leaf), Tansy, Tarragon, Thyme, Vanilla, Wintergreen, Woodruff, Wormwood.

ADDITIONAL CROPS: Including: Artichoke, Asparagus, Birdseed, Coffee, Cocoa, Cotton, Edible Flowers, Fig, Globe Artichoke, Hops, Guayule, Jojoba, Mushroom, Okra, Olives, Palm, Peanuts, Pineapple, Rice, Safflowers, Sesame, Sugar Cane, Sunflower, Tamarillo, Tea, Tobacco.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place away from heat or open flame in an area that is inaccessible to children and animals.

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

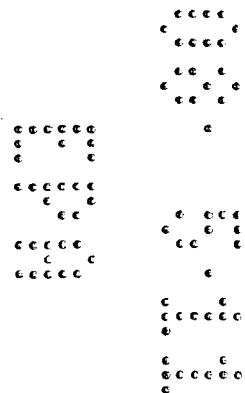
CONTAINER HANDLING:

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows [for containers of 5 Gallons (18.9 L) or less]: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available for reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

MGK 2905

[Alternate Brand Name: AZERA GARDENING]

SUB-LABEL B: For Gardening/ For residential Use



2905-0510



McLAUGHLIN
GORMLEY
KING COMPANY



AZERA
GARDENING

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For Organic Gardening

8810 Tenth Avenue N. / Minneapolis, Minnesota 55427-4319 U.S.A. - Telephone (763) 544-0341

- Kills listed pests on contact or by ingestion
- Contains Pyrethrins, a botanical insecticide derived from chrysanthemums
- Kills a broad spectrum of listed insects including aphids, whiteflies, leafminers and caterpillars
- Quick knock-down, and kill
- Kills larval, pupae, and adult stages of listed insects
- For use on ornamentals, and in greenhouses
- This product can be sprayed at any season of the year
- Can be tank mixed
- Insect growth regulator activity on immature life stages
- Non-corrosive to spray equipment

ACTIVE INGREDIENTS:

Azadirachtin	1.20%
Pyrethrins	1.40%
OTHER INGREDIENTS	97.40%
	<u>100.00%</u>

MGK® - Registered trademark of McLaughlin Gormley King Company

Contains: 0.10 lbs of azadirachtin and 0.11 lbs of pyrethrins per gallon.

KEEP OUT OF REACH OF CHILDREN
CAUTION PRECAUCIÓN

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.)



FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> ▪ Call 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 the poison control center or doctor. ▪ Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> ▪ Hold eye open and rinse slowly and gently with water for 15-20 minutes. ▪ Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. ▪ Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information regarding medical emergencies or pesticide incidents, call 1-888-740-8712.	

Net Contents _____

Manufactured by:

Mc LAUGHLIN GORMLEY KING COMPANY

8810 Tenth Avenue North

Minneapolis, MN 55427

EPA Reg. No. 1021 - 1872

EPA Est. No. 1021-MN-2

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with plenty of soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear protective eyewear. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear long-sleeved shirt and long pants, socks, shoes and safety gloves (such as barrier laminate, nitrile rubber, neoprene rubber or Viton)

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms, including fish and invertebrates. Drift and run-off may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through run-off. This product has a potential for run-off for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce run-off that contains this product.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Do not apply directly to water, 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 wash-waters or rinsate. See Directions for Use for additional precautions and restrictions.

PHYSICAL OR CHEMICAL HAZARDS

Combustible: Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

USE RESTRICTIONS Apply this product only as specified on this label.

- Do not contaminate food or feedstuffs.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift.
- Do not enter or allow others to enter until sprays have dried.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until vapors, mists and aerosols have dispersed.
- Only protected handlers may be in the area during application.
- Do not wet plants to the point of runoff or drip.
- Do not apply directly to or near water, storm drains or drainage ditches. Do not apply when windy. To prevent product run-off, do not over water the treated area(s) or apply when heavy rain is expected. Rinse applicator over lawn or garden area only.
- Do not apply more than 1 time per day.
- Do not apply more than 10 times per season.
- Do not reapply within 3 days except under extreme pest pressure.
In case of extreme pest pressure, do not reapply within 24 hours.

Directions for Use:

Phytotoxicity: AZERA GARDENING has been evaluated for phytotoxicity on a wide range of plants. However, since testing on all varieties of all plants is not feasible, nor is testing of all possible combinations or sequences of pesticide sprays including fertilizers, surfactants and adjuvants. Before making tank mix combinations with AZERA GARDENING, or before making widespread applications, it is recommended to treat a limited number of plants and observe for phytotoxicity over a 10-day period. It is further recommended that spray equipment used to apply MGK - 2905 be thoroughly cleaned before use.

Mode of Action: AZERA GARDENING kills target pests quickly by contact or ingestion. It also kills listed insects by interfering with the molting process and as a adulticide. It is effective on all larva stages, pupae, and adults.

pH: The pH should be adjusted to a pH of 5.5-7.0.

Honey Bees: To avoid possible harm to honey bees, it is advisable to apply in early morning or late evening hours.

RATE CHART:

		Most commonly used rate	Rates for treating high populations of adults and/or hard to kill insects	
AZERA GARDENING	1 Pint per acre 16 fl. oz. (473 mL)	2 Pints per acre 32 fl. oz. (946 mL)	3 Pints per acre 48 fl. oz. (1.42L)	3.5 Pints per acre 56 fl. oz. (1.66L)
Acres per Quart	2	1	0.67	0.57
Acres per Gallon	8	4	2.7	2.3

DILUTION RATES:

Conventional Equipment	In sufficient water for thorough coverage. Dilution in a minimum of 30 gallons (114 L) of water per acres is recommended
Hand sprayers	1 - 2 fluid ounces (30- 60 mL) of AZERA per gallon (3.8L) of water
Greenhouse	Dilute 53 - 107 fl. oz. (1567 - 3164 ml) with 100 gallons (378.54 L) of water for applications with conventional hydraulic sprayers or 1 to 2 fl. oz. (30 - 60 ml) per one gallon (3.8 L) of water or applications with compressed sprayers. Use 2.3 gallons (8.71 L) of spray solution per 1,000 square feet (93 m ²).

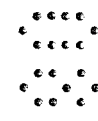
MIXING DIRECTIONS:

USED ALONE:

- Mix only enough for immediate use
- Shake AZERA GARDENING well before using.
- Dilute AZERA GARDENING in sufficient water to obtain thorough coverage.
- Fill clean spray tank ½ to ¾ of the water to be sprayed and begin agitation.
- Add the appropriate amount of AZERA GARDENING to the spray tank.
- Fill the tank with the remaining water and agitate thoroughly.
- Adjust spray solution to pH of 5.5 - 7.0, if outside of that range.
- Apply product promptly after mixing.
- Complete coverage of all leaf surfaces is essential for optimum results.
- If the mixture is not applied immediately after mixing, agitate before application.

APPLICATION DIRECTIONS:

Spraying should begin when listed insects first appear. Do not wait until plants are heavily infested. Repeat application as required to maintain effective kill, but not more than every 5 - 7 days. For foliar application, apply AZERA GARDENING 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. Do not wet plants to the point of runoff or drip. Do not apply when wind speed favors drift beyond the area intended for treatment. When pest pressure is extreme or plant canopy is dense, use higher rates and do not reapply within 24 hours. If possible apply in the early morning, or evening hours. The reduced UV exposure and lower temperatures will increase the performance and reduce the impact on pollinators.



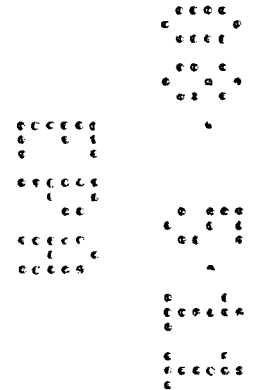
To Kill the Following Listed Insects:

Aphids including:	Hickory Shuckworms
Apple Aphids	Hornworms
Alfalfa Aphids	Imported Cabbageworms
Artichoke Aphids	Lawn Armyworms
Bean Aphids	Lesser Webworm Loopers
Black Maringed Aphids	Melonworms
Black Bean Aphids	Navel Orangeworms
Black Peach Aphids	Oriental Fruit Moths
Blue alfalfa Aphids	Pecan Nut Case bearers
Cabbage Aphids	Rindworms
Cotton / Melon Aphids	Sod Webworms
Cowpea Aphids	Southern Armyworms
European Asparagus Aphids	Soybean Loopers
Filbert Aphids	Saltmarsh Caterpillars
Foxglove Aphids	Tent Caterpillars
Green Peach Aphids	Tobacco Budworms
Lettuce Aphids	Tomato Hornworms
Lettuce Root Aphids	Tomato Fruitworms
Melon Aphids	Tomato Pinworms
Pea Aphids	Yellow striped Armyworms
Potato Aphids	Walnut Caterpillars
Rose Aphids	Webworms
Spotted Alfalfa Aphids	Western Yellow-Striped Armyworms
Willow Carrot Aphids	Western Grapeleaf Skeletonizers
Armyworms, Caterpillars and Loopers including:	
Alfalfa Caterpillars	Beetles and Weevils including :
Artichoke Plume Moths	Alfalfa Weevils
Bagworms	Asparagus Beetles
Beet Armyworms	Bean Beetles
Black Cutworms	Bean Leaf Beetles
Budworms	Black Vine Weevils
Cabbage Loopers	Blister Beetles
Cankerworms	Boll Weevils
Carpenterworms	Carrot Weevils
Citrus Cutworms	Chestnut Weevils
Corn Earworms	Clover Weevils
Cross-striped Cabbageworms	Colorado Potato Beetles
Cutworms	12-spotted Cucumber Beetles
Diamondback moths	Cucumber Beetles
Eastern Tent Caterpillars	Darkling Beetles (lesser meal worms)
Fall Armyworms	Egyptian Alfalfa Weevils
Fall Cankerworms	Elm Leaf Beetles
Fall Webworms	Flea Beetles
Filbert Worms	Fuller Rose Beetles
Fireworms	Grape Bud Beetles
Forest Tent Caterpillars	Japanese Beetles
Garden Webworms	June Beetles
Grapefruit Worms	Mexican Bean Beetles
Grape Leaf Skeletonizers	Navel Orangeworms (NOW)
Green Fruit Worms	Pecan Weevils

Pink Bollworms	Leafrollers:
Potato Flea Beetles	Blueberry Leafrollers
Rice Weevils	Filbert Leafrollers
Rose Chafers	Fruit Tree Leafrollers
Saw-toothed Grain Beetles	Grape Leafrollers
Strawberry Beetles	Oblique Banded Leafrollers
Twig Girdlers	Omnivorous Leafrollers
All other beetles and weevils	Orange Tortrix

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	Western Avocado Leafrollers
Borers such as	
European Corn Borers	Moths
Pacific Flatheaded Borers	Artichoke Plume Moths
Peach Tree Borers	Codling Moths
Peach Twig Borers	Diamondback Moths
Squash Vine Borers	European Pine Tip Moths
Shot-hole Borers	Grape Berry Moths
Branch and Twig Borers	Gypsy Moths (adult & larvae)
	Indian Meal Moths
Flies	Mediterranean Flour Moths
Australian Sod Flies	Pine Tip Moths
Caribbean Fruit Flies	Tussock Moths
Crane Flies	
Fruit Flies	Whiteflies
Fungus Gnats	Greenhouse Whiteflies
Hessian Flies	Silverleaf Whiteflies
	Sweetpotato Whiteflies
Mediterranean Fruit Flies	
Melon Flies	Other
Mushroom Flies	Ants (except Pharaoh, Harvester, Carpenter and Fire Ants)
Oriental Fruit Flies	Apple Maggots
Olive Fruit Flies	Billbugs
	Brown Marmorated Stink Bug
Sawflies	Cabbage Maggots
Shore Flies	Clover Mites
Vinegar Flies	Cutworms
Walnut Husk Flies	Crickets
	Dichondra Flea Beetles
Leafhoppers & Sharpshooters:	Earwigs
Aster Leafhoppers	Firebrats
Beet Leafhoppers	False Chinch Bugs
Glassy-winged Sharpshooters	Garden Symphylan
Grape Leafhoppers	Garden Tortrix
Potato Leafhoppers	Glassy Winged Sharpshooters
Variagated Leafhoppers	Grasshoppers
Three-Cornered Alfalfa hoppers	Harlequin Bugs
	Grape Phylloxera
	Katydids
Leafminers	Leaffooted Plant Bug
Citrus Leafminers	Lace Bugs
Holly Leafminers	Leaf tiers
Sepentine Leafminers	Lice
Vegetable Leafminers	Lygus
	Lace bug
	Mealybugs (all)
Midges (plant pests)	
Millipedes	Psyllids
Onion Maggots	Pear Psylla
Plant Bugs	
Proba Bugs	
Scale Insects	Thrips
Silverfish	Avocado thrips
Skippers	Citrus Thrips
Soft Scales	Flower Thrips
Spider Mites	Greenhouse Thrips
Sowbugs	Thrips Palmi
Spiders (except Black Widow and Brown Recluse Spiders)	Western Flower Thrips
Springtails	
Squash Bugs	
Stink Bugs	
Tarnished Plant Bugs	
Spittle Bugs	
Wireworms	



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European Chafers	
Northern Masked Chafers	
Southern Masked Chafers	
Western Boxelder Bugs	

FOR USE ON VEGETABLES, FRUITS, HERBS AND SPICES IN RESIDENTIAL GARDENS:

ROOT AND TUBER VEGETABLES AND THEIR LEAVES AND ROOTS: Including: Arracacha, Arrowroot, Purple Arrowroot, Japanese Artichokes, Jerusalem Artichokes, Garden Beets, Sugar Beets, Edible Burdock, Edible Canna, Carrots, Cassava (bitter or sweet), Celeriac, Celery Root, Chayote (root), Chervil (turnip rooted), Chicory, Chufa, Dasheen (Taro), Ginger, Ginseng, Horseradish, Jicama, Leren, Parsley (turnip rooted), Parsnips, Potatoes, Radishes, Japanese Radishes (Daikon), Rutabaga, Salsify (oyster plant, black, Spanish), Skirret, Sweet Potatoes, Tanier, Turmeric, Turnips, Yam Beans (jicama, manioc pea), Yams (true).

BULB VEGETABLES: Including: Garlic, Great-headed Garlic, Leeks, Onions (bulb and green), Shallots, Welch.

LEAFY VEGETABLES: Including: Amaranth (Leafy Amaranth, Chinese Spinach, Tampala), Arugula, Cardoon, Celery, Chinese Celery, Celtuce, Chervil, Cilantro, Corn Salad, Chrysanthemum (edible-leaved), Chrysanthemum (garland), Cress (garden, water), Upland Cress (yellow rocket, winter cress), Dandelion, Dock (sorrel), Endive (escarole), Fennel (Florence), Leeks, Lettuce (head and leafy), Mustard Greens, Orach, Parsley, Purslane (garden & winter), Radicchio, Rhubarb, Spinach, Fine Spinach (Malabar, Ceylon), Tendergreens, Spinach (New Zealand), Swiss Chard, Turnip Greens, Watercress.

BRASSICA (COLE) LEAFY VEGETABLES: Including: Broccoli, Chinese Broccoli (Gai Lan), Broccoli raab (Rapini), Brussels Sprouts, Cabbage, Chinese Cabbage (Bok Choy), Chinese Cabbage (Napa), Chinese Mustard Cabbage (Gai Choy), Cauliflower, Cavallo broccolo, Collards, Kale (Flowering, Chinese), Kohlrabi, Mizuna, Mustard Greens, Mustard Spinach, Rape Greens.

LEGUME VEGETABLES (SUCCULENT OR DRIED): Including: Adzuki Beans, Field Beans, Kidney Beans, Lima Beans, Moth Beans, Mung Beans, Navy Beans, Pinto Beans, Rice Beans, Runner Beans, Snap Beans, Tepary Beans, Urd Beans, Wax Beans, Asparagus Beans, Black-eyed Peas, Catjang, Chinese Longbeans, Cowpeas, Chowder Peas, Southern Peas, Yard-Longbeans, Broad Beans, (Fava Beans), Chick Peas (Garbanzo Beans), Guar, Jackbean (Sword Bean), Lablab Bean (Hyacinth Bean), Lentils, Peas (Garden Peas, Field Peas, Sugar Snap Peas, English Pea, Snow Pea), Pigeon Peas, Soybeans, Sweet Lupin Beans, White Lupin Beans, White Sweet Lupin, Sword Bean.

FOLIAGE OF LEGUME VEGETABLES: Including: Plant part of any legume vegetable included in the legume vegetable group that will be used as animal feed including any variety of Beans, Field Peas, Soybeans.

FRUITING VEGETABLES: Including: Eggplant, Ground Cherry, Okra, Pepinos, Pepper (Bell Pepper, Chili Pepper, Cooking Peppers, Pimentos, Sweet Peppers), Tomatillo, Tomatoes.

CUCURBIT VEGETABLES: Including: Balsam Apple, Balsam Pear (Bitter Melon), Chayote (fruit), Chinese Waxgourd (Chinese preserving melon), Chinese Cucumber, Citron Melon, Cucumber, Gherkin, Edible Gourds, Mangoes, Melons (including hybrids, Cantaloupe, Casaba, Charentais, Crenshaw, Golden Pershaw Melon, Honeydew Melons, Honey Balls, Mange Melon, Muskmelon, Persian Melon, Pineapple Melon, Santa Claus Melon, Snake Melon, Yellow Canary), Pumpkin, Squash (summer & winter), Watermelon (OP & hybrids, seeded and seedless).

CITRUS FRUITS: Including: Calamondin, Citrus Citron, Citrus Hybrids, Grapefruit, Kumquats, Lemons, Limes, Mandarin (Tangerine), Nectarines, Orange (sweet & sour), Pummelo, Satsuma Mandarin, (Citrus spp. Includes Chironja, Tangelos, Tangors), Uniq Fruit, White Sapote.

POME FRUITS: Including: Apple, Crabapple, Jujubes, Loquat, Mayhaw, Oriental Pear, Pear, Quince.

STONE FRUITS: Including: Apricot, Cherry (sweet & sour), Nectarine, Peach, Plum, Prune, Chickasaw Plum, Damson Plum, Japanese Plum, Plumcot.

SMALL FRUITS AND BERRIES: Including: Blackberry, Blueberry, Boysenberries, Cranberry, Currant, Dewberry, Elderberry, Gooseberry, Grape, Huckleberry, Loganberry, Olallie Berry, Raspberry (black & red), Strawberry, Youngberry.

TREE NUTS: Including: Almond, Beech Nut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (hazelnut), Hickory nut, Macadamia Nut (Bush Nut), Pecan, Pistachio, Walnut (Black, English, Persian).

ORIENTAL VEGETABLES: Including: Acerola, Atemoya, Balsam Pear (bitter melon), Carambola, Japanese Artichoke, Chinese Broccoli (Gai Lan), Chinese Cabbage (Bok Choy, Napa), Chinese Mustard Cabbage (Gai Choy), Dasheen, Ginger, Ginseng, Chinese Longbeans, Mung Beans, Citron Melon, Japanese Radish (Daikon), Chinese Spinach, Chinese Waxgourd, Cilantro, Citron Melon, Rambutan, Water Chestnut.

SUBTROPICAL FRUITS: Including: Avocado, Banana, Cacao, Carob, Barbados Cherry, Cherimoya, Dates, Durian (Jackfruit), Feijoa, Figs, Guava, Kiwifruit, Lychee, Mango, Papaya, Passion Fruit, Persimmon, Pineapple, Pomegranate.

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TROPICAL FRUITS: Including: Papaya, black sapote, Canistel, Mamey Sapote, Mango, Sapodilla, Star Apple, Guava, Feijoa, Jaboticaba, Wax Jambu, Star Fruit, Passion Fruit, Acerola, Lychee, Longan, Spanish Lime, Rambutan, Pulasan, Sugar Apple, Atemoya, Custard Apple, Cherimoya, Llama, Soursop and Biriba.

HERBS AND SPICES: Including: Allspice, Angelica, Anise (anise seed), Anise [star], Annatto (seed), Balm (lemon balm), Basil, Borage, Burnet, Camomile, Caper buds, Caraway, Caraway [black], Cardamom, Cassia bark, Cassia buds, Catnip, Celery seed, Chervil (dried), Chicory, Chive, Chive [Chinese], Cinnamon, Clary, Clove buds, Coriander (cilantro or Chinese parsley) (leaf), Coriander (cilantro) (seed), Costmary, Culantro (leaf), Culantro (seed), Cumin, Curry (leaf), Dandelion, Dill (dillweed), Dill (seed), Fennel (common), Fennel [Florence] (seed), Fenugreek, Grains of paradise, Horehound, Hyssop, Juniper berry, Lavender, Lemongrass, Lovage (leaf), Lovage (seed), Mace, Marigold, Marjoram (includes sweet or annual marjoram, wild marjoram or oregano, and pot marjoram), Mint, Mustard (seed), Nasturtium, Nutmeg, Oregano, Mint, Paprika, Parsley (dried), Pennyroyal, Pepper [black], Pepper [white], Peppermint, Poppy (seed), Rosemary, Rue, Saffron, Sage, Savory [summer and winter], Sweet bay (bay leaf), Tansy, Tarragon, Thyme, Vanilla, Wintergreen, Woodruff, Wormwood.

ADDITIONAL CROPS: Including: Artichoke, Asparagus, Birdseed, Edible Flowers, Fig, Globe Artichoke, Jojoba, Mushroom, Okra, Olives, Palm, Peanuts, Pineapple, Safflowers, Sesame, Sunflower, Tamarillo, Tea, Tobacco.

FOR USE ON GROWING PLANTS (OUTDOORS AND IN GREENHOUSES):

BEDDING PLANTS, FLOWERS, POTTED PLANTS AND FOLIAGE: Including: Actinopteris, Aglaonema, Allamanda, Algerian Ivy, Alocasia, Anthurium, Aphelandra, Artemisia, Aster, Aucuba Illex, Azalea, Baby's Breath, Begonia, Bougainvillea, Boston Fern, Boxwood, Brachycome, Cacti, Calabrese, Caladium, Calla, Calathea, Calendula, Carnation, Chrysanthemum, Coleus, Columbine, Dahlia, Daisy, Daylily, Delphiium, Dianthus, Dieffenbachia, Dusty Miller, Easter Lily, English Ivy, Euphorbia, Fern, Ficus, Foxglove, Freesia, Fuchsia, Gaillardia, Gardenia, Geranium, Gerbera, Gladioli, Gypsophilla, Hedera, Hibiscus, Impatinets, Iris, Lily, Manvilla, Marigold, Nasturium, Pansy, Pelargonium, Peony, Peperomia, Petunia, Philodendron, Phlox, Photinia, Pittosporum, Pinks, Poinsettia, Pothos, Portulaca, Rosemary, Rose, Rubberplant, Salvia, Schefflera, Sedum, Sempervivum, Snapdragon, Spathiphyllum, Stock, Syngonium, Verbena, Vinca, Wander Jew, Zinnia.

ORNAMENTALS: Including: African Violet, Ageratum, Arborvitae, Aster, Aucuba Illex, Azalea, Begonia, Boxwood, Cacti, Calceolaria, Calendula, Calla, Camellia, Carnation, Ceanothus, Chrysanthemum, Cineraria, Coleus, Cotoneaster, Cyclamen, Cypress, Daffodil, Dahlia, Delphinium, Dogwood, Elm, Eucalyptus, Fern, Ficus, Foliage Plants, Fuchsia, Gardenia, Geranium, Gladiolus, Gloxinia, Gypsophila, Holly, Hyacinth, Hydrangea, Iris, Ivy, Lily, Maidenhair Fern, Marigold, Narcissus, Orchid, Palm, Pansy, Peony, Pelargonium, Petunia, Philodendron, Phlox, Photinia, Pine, Pyracantha, Rhododendron, Roses, Rubber Plant, Snapdragon, Stock, Sweet Pea, Tulips, Viburnum, Wandering Jew, White Cedar, White Pine, Yew, Yucca, Zinnia

TREES AND SHRUBS: Including: Andromeda, Arborvitae, Ash, Austrian Pine, Azalea, Beech, Birch, Birdsnest Spruce, Blue Spruce, Boxwood, Butternut, Cedar, Chamaecyparis, Cherry, Crabapple, Cotoneaster, Cyprus, Dogwood, Douglas Fir, Elm, Euonymus, Fir, Firethorn, Forsythia, Hackberry, Hawthorn, Hemlock, Hickory, Holly, Honey Locust, Horse Chestnut, Juniper, Larch, Laurel, Lilac, Linden, London Plane, Magnolia, Manvilla, Maple, Mimosa, Mountain Ash, Myrtle, Oak, Paehyandra, Peach, Pine, Planetree, Poplar, Privet, Quince, Spruce, Sycamore, Tulip Tree, Viburnum, Willow.

TURF GRASS: Including Residential Yards, Commercial Facilities, Parks, Golf Courses, and other Recreational Turf Areas.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place away from heat or open flame in an area that is inaccessible to children and animals.

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

CONTAINER HANDLING:

Nonrefillable container. Do not reuse or refill this container.

If empty:
Offer for recycling, if available.

If partially filled:
Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

(Place on containers for Residential Use)

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