

1021-1771

10/02/2012

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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

October 2, 2012

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

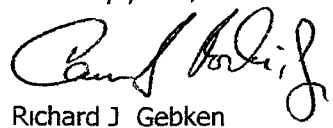
**Subject Label Notification(s), Pesticide Registration Notification (PRN) 98-10
 MGK® PyGanic® Crop Protection EC 1 4_{III}, EPA Reg No 1021-1771
 Your Submission Dated May 23, 2012**

Dear Mr Lennan

The Agency is in receipt of your application for Pesticide Notification under Pesticide Registration Notification (PRN) 98-10, dated May 23, 2012, 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

Please be reminded that 40 CFR §156 140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers The code may appear either on the label (and can be added by non-Notification/PRN 98-10) or durably marked on the container itself

The label submitted with this 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 Rodia at (703) 306-0327 or via e-mail at Rodia.Carmen@epa.gov

Sincerely yours,

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



United States
 Environmental Protection Agency
 Washington DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1 Company/Product Number 1021-1771	2 EPA Product Manager Richard Gebken	3 Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4 Company/Product (Name) PyGanic® Crop Protection 1 4 II	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 NOTIFICATION Product Name OCT 0 2 2012	

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 pursuant to 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 6X1 Pint	No per container 1X 55Gallon	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 Pint 55 Gallon		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 5/23/2012	

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May 23 2012

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

OCT 02 2012

Subject PyGanic® Crop Protection EC 1.4,
EPA Reg No 1021-1771
Notification Pursuant to PR-Notice 98-10

Dear Sir or Madam

By Notification, we are deleting a reference to treating pets since this product is strictly for use in Organic Production We are also reinstating the following accepted pests Deer Flies Horn Flies, Lice Mosquitoes and Ticks to the pest listing on pages 5 & 6 since claims against these pests have been accepted by the Agency in the Livestock section of the label

Enclosed are two copies of our label 1 copy has changes highlighted in color

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

8810 Tenth Avenue North
Minneapolis MN 55427
TOLL FREE 800 645 6466
TEL 763 544 0341
FAX 763 544 6437
WWW.MGK.COM

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PyGanic® Crop Protection EC 1 4_{II} Master Label

NOTIFICATION

OCT 0 2 2012

Sub-Label A For Agricultural For Organic Production
/ Livestock
Commercial Use Only
Not For Residential Use

EPA Reg No 1021-1771
EPA Est No 1021-MN-2

GROUP	3A	INSECTICIDE
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PyGanic® Crop Protection EC 1.4₁

 For Organic Production



[] OR () indicates alternate or optional wording

[For Use in Organic Production]

- [For use on growing crops]
- [This product can be sprayed at any season of the year]
- [Flushes insects & mites from hiding]
- [Provides rapid knockdown & kill of listed plant pests]
- [Contains pyrethrins – a botanical insecticide derived from chrysanthemums]
- [For use on over 200 fruits and vegetables]
- [Can be tank mixed with other insect control products]

- [Non-persistent in the environment]
- [Can be used on day of harvest]
- [Kills more than 100 listed insects]
- [One gallon of product treats up to 8 acres]
- [Low odor]
- [
- [Kills key listed livestock pests]
- [Flushes insects & mites from hiding]
- [Provides rapid knockdown & kill of listed pests]
- [Non-persistent in the environment]
- [Low odor] [Non-corrosive to spray equipment]

ACTIVE INGREDIENT

Pyrethrins a botanical insecticide

1 40%

OTHER INGREDIENTS

98 60%

100 00%

MGK and PYGANIC® are Registered trademark of McLaughlin Gormley King Company All other marks are property of their respective holders

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 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 the poison control center or doctor ▪ Do not give anything by mouth to an unconscious person
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> ▪ 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	<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
IF INHALED	<ul style="list-style-type: none"> ▪ Move person to fresh air ▪ If person is not breathing call 911 or an ambulance then give artificial respiration preferably by mouth-to-mouth if possible ▪ Call a poison control center or doctor for further 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	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of barrier laminate, nitrile or neoprene rubber or viton. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Mixers, loaders, applicators, and other handlers must wear the following:

- Long-sleeved shirt
- Long pants
- Shoes and socks
- Chemical resistant gloves

In addition to the above PPE, applicators using hand held foggers in an enclosed area must wear a half-face full-face or hood-style NIOSH approved respirator with:

- A dust/mist filtering cartridge (MSHA/NIOSH approval number prefix TC-21C) or
- A canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or
- A cartridge or canister with any R, P, or HE filter.

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

When handlers use aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides 40 CFR 170.240 (d) (4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

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. 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 pesticide is highly toxic to fish. 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. Drift from treated areas may be hazardous to organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwaters.

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DIRECTIONS FOR USE

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

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

Long-sleeved shirt and long pants 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

Do not enter or allow others to enter until vapors mists and aerosols have dispersed and the treated area has been thoroughly ventilated

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 Eye protection gloves a long-sleeved shirt and long-pants are recommended

Do not enter or allow others to enter until sprays have dried

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

GENERAL PRECAUTIONS AND RESTRICTIONS

- 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
- Do not make applications during the rain
- Do not wet plants to the point of runoff
- When used in dairy barns or facilities Close milk bulk tank lids to prevent contamination from spray and dead or falling insects
- Do not remain in the treated area Exit area immediately and remain outside the treated area until aerosols vapors and/or mists have dispersed
- Not for use in outdoor residential misting systems(indoors or outdoor)
- Not for indoor use except in greenhouses
- For any requirement specific to your State or Tribe consult the agency responsible for pesticide regulation

Spray Drift Management for Agricultural Crops

Avoiding spray drift at the application site is the responsibility of the applicator and the grower The interactions of many equipment and weather-related factors determine the potential for spray drift The applicator and the grower are responsible for considering all these factors when making decisions

Do not apply at wind speeds greater than 10 mph at the application site

Do not make any type of application into temperature inversions

Apply as a medium or coarser spray (ASABE standard 572)

Additional Requirements for Aerial Applications

Do not release spray at a height greater than 10 feet above the ground or crop canopy

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter
Aerial applicators must consider flight speed and nozzle orientation in determining droplet size
When applications are made with a cross-wind the swath will be displaced downwind The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind

Additional requirements for ground applications

Do not release spray at a height greater than 4 feet above the ground or crop canopy

Additional requirements for airblast applications

Direct sprays into the canopy

Turn off outward pointing nozzles at row ends and when spraying outer rows

PESTICIDE RESISTANCE MANAGEMENT

PyGanic® Crop Protection EC 1 4_{ii} contains a Group 3A insecticide Insect biotypes with acquired resistance to Group 3A may eventually dominate the insect population if Group 3A insecticides are used repeatedly in the same field or in successive years as the primary method of control for targeted species This may result in partial or total loss of control of those species by PyGanic® Crop Protection EC 1 4_{ii} or other Group 3A insecticides

To delay insecticide resistance consider

- Avoiding the consecutive use of PyGanic® Crop Protection EC 1 4_{ii} or other group 3A insecticides that have a similar target site of action on the same insect species
- Using tank mixtures or premixes with insecticides from a different target site of action Group as long as the involved products are all registered for the same use and have different sites of action
- Basing insecticide use on a comprehensive IPM program
- Monitoring treated insect population for loss of field efficacy
- Contacting your local extension specialist certified crop advisors and/or manufacturer for insecticide resistance management and or IPM recommendations for the specific site and resistance pest problems

INDOOR AREAS FOR USE IN AND AROUND

Greenhouses

OUTDOOR AREAS FOR USE IN AND AROUND

Nurseries

Outdoor Growing Crops

TO KILL THE FOLLOWING LISTED INSECTS Including

12-spotted Cucumber Beetles	Blister Beetles	Cockroaches	Drugstore Beetles
Angoumois Grain Moths	Blow Flies	Codling Moths	Earwigs
Ants (excluding fire and Pharaoh ants)	Boll Weevils	Colorado Potato Beetles	Eastern Tent Caterpillars
Aphids	Boxelder Bugs	Confused Flour Beetles	Elm Leaf Beetles
Apple Maggots	Branch and Twig Borers	Corn Earworms	Eriophyd Mites
Armored Scales	Cabbage Loopers	Crane Flies	<u>European Corn Borer</u>
Armyworms	Cabbage Maggots	Crickets	European Pine Tip Moths
Artichoke Plume Moths	Cadelles	Cross-striped Cabbageworms	Fire worms
Asparagus Beetles	Cankerworms	Cucumber Beetles	Flea Beetles
Bagworms	Carrot Weevils	Dark Mealworms	Forest Tent Caterpillars
Bean Beetles	Caterpillars	Darkling Beetles (lesser meal worm)	Fruit Flies
Beet Armyworms	Chalcids	Diamondback Larvae and Moths	Fruit tree Leaf rollers
Beetles	Cheese Skippers	<u>Deer Fly</u>	Fruitworms
Bermudagrass Mirids	Cherry Fruit Flies	Dried Fruit Beetles	Fungus Gnats
Billbugs	Cigarette Beetles		Garden Symphylan
	Clover Mites		
	Clover Weevils		

Glassy Winged	Lace Bugs	Pacific flatheaded	Springtails
Sharpshooters	Leaf-footed plant bugs	borers	Squash bugs
Gnats	Leafhoppers	Pear Psyllids	Stable Flies
Grain Mites	Leafminers	Pepper Weevils	Stink Bugs
Grape Leaf	Leafrollers	Pink bollworms	Tarnished Plant Bugs
Skeletonizers	Leaf tiers	Potato Leafhoppers	<u>Ticks</u>
Grape Leafhoppers	<u>Lice</u>	Potato Tuberworms	Thrips
Grape Mealy bugs	Loopers	Proba bugs	Tobacco Moths
Grasshoppers	Lygus	Psyllids	Tomato budworms
Green bugs	Maggots	Red Flour Beetles	Tomato bugs
Green Fruit Worms	Mealy Bugs	Rice Weevils	Tomato Fruit worms
Green Peach Aphids	Mediterranean Flour	Saltmarsh caterpillars	Tomato Hornworms
Greenhouse Thrips	Moths	Saw Toothed Grain	Tomato pinworms
Gypsy Moths (adults & larvae)	Mexican Bean Beetles	Beetles	Tomato Russet Mite
Harlequin Bugs	Midges	Scales	Tussock moths
Heliothis spp	Millipedes	Sharpshooters	Vine mealy bugs
Hornworms	Mites	Shore flies	Vinegar Flies
<u>Horn Fly</u>	Mole crickets	Shot hole borers	Webworms
House Flies	<u>Mosquitos</u>	Silverfish	Weevils
Imported	Moths	Skippers	Western Yellow-striped
Cabbageworms	Mushroom Flies	Small Flying Moths	armyworms
Indian Meal Moths	Navel Orangeworms	Soft Scales	Whiteflies
Japanese Beetles	Olive Fruit Flies	Southern chinch bugs	Yellow Mealworms
Katydid	Onion Maggots	Sow bugs	
	Orange Tortrix	Spider Beetles	

GENERAL USE DIRECTIONS

IMPORTANT It is recommended that the final spray mix be adjusted to a pH of 5.5 to 7.0. Outside of this range pyrethrins can degrade and the product will lose its effectiveness.

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

USED ALONE Apply 16 fluid ounces (1 pint) to 64 fluid ounces (2 quarts) per acre (1.2 L to 4.67 L / Ha) by ground in sufficient water for thorough coverage. This product may be applied by air at the rate of 16 to 64 fluid ounces per acre (1.2 L to 4.67 L / Ha) in a minimum of 5 gallons (18.9 L) of water. Mix only enough for immediate use. Spraying should begin when the insects first appear. Do not wait until the plants are heavily infested. Repeat as required to maintain effective kill.

USED AS A TANK MIX This product may be tank mixed with other insecticides, acaricides, fungicides, adjuvants, and wetting agents. This application should conform to accepted use precautions and directions for both products. 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.

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.

- Do not reapply within 3 days except under extreme pest pressure
- In case of extreme pest pressure, do not reapply within 24 hours
- Do not harvest until spray has dried
- Do not wet plants to point of runoff or drip

For growing field crop and orchard applications, do not exceed the maximum application rate of 0.050 lb active ingredient / Acre (Equivalent to 59 fl oz of PyGanic® Crop Protection EC 1.4_{II} / Acre) or 0.012 lb active ingredient / 1,000 sq ft (Equivalent to 1.42 fl oz of PyGanic® Crop Protection EC 1.4_{II} / 1,000 sq ft).

For surface applications to green house grown crops do not exceed the maximum application rate of 0.050 lb active ingredient / Acre (Equivalent to 59 fl oz Of PyGanic® Crop Protection EC 1.4_{II} / Acre) or 0.012 lb active ingredient / 1 000 sq ft (Equivalent to 1.42 fl oz of PyGanic® Crop Protection EC 1.4_{II} / 1 000 sq ft)

For space spray applications to greenhouse grown crops do not exceed the maximum application rate of 0.0014 lb ai / 1 000 cu ft (Equivalent to 0.166 fl oz or 4.92 mls of PyGanic® Crop Protection EC 1.4_{II} / 1 000 cu ft)

IMPORTANT NOTE Plant safety is an important consideration when using insecticides in a greenhouse. However, it is not possible to evaluate the phytotoxicity of PyGanic® Crop Protection EC 1.4_{II} on numerous plant varieties that may react differently to insecticides in different growth stages or under varying environmental conditions. Before making widespread applications of PyGanic® Crop Protection EC 1.4_{II} or tank mix combinations, treat a limited number of plants and observe for phytotoxicity over a 10 day period.

DIRECTIONS FOR APPLICATION THROUGH IRRIGATION SYSTEMS

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.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop 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 be 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.

GROWING CROPS (OUTDOORS, AND IN GREENHOUSES AND IN NURSERIES)

ROOT AND TUBER VEGETABLES Including Arracacha Arrowroot, Purple Arrowroot Japanese Artichoke Jerusalem Artichoke Garden Beets Sugar Beets Edible Burdock Edible Canna Carrots Cassava (bitter or sweet) Celeriac (celery root) Chayote (root) Chervil (turnip rooted) Chicory Chufa Dasheen Ginger Ginseng Horseradish Leren Parsley (turnip rooted) Parsnip Potato Radish Japanese Radish (Daikon) Rutabaga Salsify Black Salsify Spanish Salsify Sweet Potato Tanier Turmeric Turnip Yam (true) Yam Bean

LEAVES OF ROOT AND TUBER VEGETABLES Including Garden Beet Sugar Beet Edible Burdock Carrot Cassava (bitter or sweet) Celeriac (celery root) Chervil (Turnip Rooted) Chicory Dasheen (Taro) Parsnip Radish Japanese Radish (Daikon) Rutabaga Black Salsify Sweet Potato Tanier Turnip Yam (true)

BULB VEGETABLES Including Garlic Great-headed Garlic Leek Onion (bulb and green) Welch Shallot

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

BRASSICA (COLE) LEAFY VEGETABLES Including Broccoli Chinese Broccoli (Gai Lon) Broccoli raab (Rapini) Brussels Sprouts Cabbage Chinese Cabbage (Bok Choy) Chinese Cabbage (Napa) Chinese Mustard Cabbage (Gai Choy) Cauliflower Cavalo broccolo Collards Kale 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 Crowder 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 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 Melons (including hybrids Cantaloupe Casaba Crenshaw Golden Pershaw Melon Honeydew Melons Honey Balls Mango Melon Muskmelon Persian Melon Pineapple Melon Santa Claus Melon Snake Melon) Pumpkin Squash (summer & winter) Watermelon (including hybrids)

CITRUS FRUITS Including Calamondin Citrus Citron Citrus Hybrids Grapefruit Kumquats Lemons Limes Mandarin (Tangerine) Orange (sweet & sour) Pummelo Satsuma Mandarin (Citrus spp Includes Chironja Tangelos Tangors)

POME FRUITS Including Apple Crabapple Loquat Pear Mayhaw Oriental 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 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 and 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 Carob Barbados Cherry Cherimoya Dates Durian (Jackfruit) Feijoa Figs Guava Kiwifruit Lychee Mango Papaya Passion Fruit Persimmon Pineapple Pomegranate

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 (Gramineal family (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 Bermuda Grass Bluegrass Bromegrass Fescue

NON-GRASS ANIMAL FEEDS Including Alfalfa Velvet Bean Clover Kudzue Lespedeza Lupine Sainfoin Trefol 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) 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) Mustard (seed) Nasturtium Nutmeg Oregano Mint Paprika Parsley (dried) Pennyroyal Pepper [black] Pepper [white] Poppy (seed) Rosemary Rue Saffron Sage Savory [summer and winter] Sweet bay (bay leaf) Tansy Tarragon Thyme Vanilla Wintergreen Woodruff Wormwood

ADDITIONAL PLANTS Including Artichoke Asparagus Avocado Coffee Cotton Hops Jojoba Mushroom Okra Olives Peanuts Pineapple Rice Safflowers Sesame Sugar Cane Sunflower Tea

TO KILL ANTS (EXCLUDING FIRE AND PHARAOH ANTS) ON ORCHARD FLOORS AND VINEYARD FLOORS Apply as a broadcast spray to the entire orchard floor using ground spray equipment at 5 to 18 fl oz per acre (370 ml to 1 315 ml/Ha) in 25 or more gallons (94 5 L or more) of water For best results use the high rate for heavy infestations and the lower rate for light infestations

Do not apply where weed growth or other obstructions would impede uniform coverage of the orchard floor Mow or chemically control weeds before the application Foliar applications of PyGanic® Crop Protection EC 1 4_{II} may be made in addition to the orchard floor treatment

USE ON GREENHOUSE FRUIT, VEGETABLE, FLOWER AND FOLIAGE PLANTS Used alone Combine 16 fluid ounces (1 pint) to 32 fluid ounces (1 quart) with 30 gallons of water (4 2 ml/L to 8 3 ml/L of water) for applications with conventional hydraulic sprayers or 1 to 2 fluid ounces per gallon (7 9 ml to 16 ml/L) of water for applications with compressed sprayers

FOR USE IN GARDENS AND TRUCK GARDENS For Commercial production of listed crops to kill listed insects dilute 0 9 to 1 8 fl oz of Pyganic Crop Protection EC 1 4_{II} per gallon of water (7ml to 14 ml/L of water) Apply diluted solution with all types of agricultural sprayers including compressed air sprayers or pump driven sprayers

FOR USE AS A LIVESTOCK SPRAY

Pest	Application Rates	Remarks
To kill horn flies house flies mosquitoes and gnats	Dilute at the rate of 5 to 10 fluid ounces per gallon of water (39 to 80 ml/Liter of water) and apply to wet the hair thoroughly with particular attention to topline underline flanks withers and other infested areas	Repeat treatment at intervals of 5 to 12 days for small insect populations or as needed when flies are emerging in large numbers Do not apply more than 1 time per day
Pest	Application Rates	Remarks

To kill stable flies horse flies and deer flies	Dilute at the rate of 9 to 14 fluid ounces per gallon of water (71 ml to 111 ml/L of water) and apply a quart per adult animal to wet the hair thoroughly with particular attention to the legs flanks barrel topline and other body areas commonly attacked by these flies	Repeat treatment each week as needed Do not apply more than 1 time per day
To kill face flies	Dilute at the rate of 9 fluid ounces per gallon of water (70 3 ml/L of water) and apply using spray which produces large wetting droplets Apply to the face of the animal in the morning before releasing to pasture Apply sufficiently to wet the face but not more than 1 5 fluid ounces (44 ml) of diluted solution per animal	Do not apply more than 1 time per day
To kill biting and sucking lice on cattle horses sheep goats and hogs	Dilute at the rate of 1 quart with 16 gallons of water [3 fluid ounces with 1 gallon (23 8 ml/L of water)] and spray to thoroughly wet the hair of the animal including the head and brush of the tail	Repeat treatment in 10 days to kill newly hatched lice Do not apply more than 1 time per day
To kill sheep tick or ked	Dilute at the rate of 5 to 10 fluid ounces per 4 gallons of water (9 8 to 19 5 ml/L of water) and thoroughly wet all portions of the body by dipping or by spraying with sufficient pressure and with a nozzle adjustment to give penetration of the wool	Treat at a rate sufficient to wet the animal Do not apply more than 1 time per day
To kill fleas and ticks on livestock and to obtain protection against reinfestation	Dilute at the rate of 9 fluid ounces per gallon (71 ml/L) of water and wet the animal by dipping or spraying This product may also be used for livestock quarters	Do not spray pets For best results against fleas and ticks animal quarters and bedding should be treated Remove and destroy old bedding To reduce infestation thoroughly spray the animal s bedding and sleeping quarters Put fresh bedding in quarters after spray has dried Also treat dogs and cats [pets] with a registered flea and tick control product before allowing them to reenter treated area Do not apply more than 1 time per day

FOR USE AS A POULTRY SPRAY

Pest	Application Rates	Remarks
To kill poultry lice	Using a dilution of 9 to 14 fluid ounces of concentrate per gallon of water (70 to 109 ml/L of water) spray roosts walls and nests or cages thoroughly	It is not necessary to remove poultry from the housing unit during treatment This should be followed by spraying over the birds with a fine mist Do not apply more than 1 time per day
To kill bedbugs and mites on poultry and in poultry houses	Dilute at the rate of 9 to 14 fluid ounces per gallon (70 to 109ml/L of water) of water and spray crevices of roost poles cracks in walls and cracks in nests where the bedbugs and mites hide	This should be followed by spraying over the birds with a fine mist Do not apply more than 1 time per day
To kill adult darkling beetle (lesser meal worm)	Dilute 1 to 3 fluid ounces of PyGanic Livestock and Poultry Insecticide 1 4 _{ii} per gallon of water (7 8 to 23 4 ml/L of water) Using a power or proportioner-type sprayer apply a uniform spray until wet at pressures of 80 to 100 pounds per square inch (551kPa to 689 kPa)) to surfaces such as interior walls roosting posts structural support pillars and other surfaces where adult beetles are observed One gallon (one liter) of	For maximum effectiveness treatments should coincide with poultry house clean out and litter replacement as this activity will tend to flush beetles to vertical surfaces where they will be exposed to the spray Indoor control can be enhanced by making perimeter

	spray mixture covers 250 to 500 sq ft (6.1 m ² to 12.2 m ²) Do not contaminate food/feed or water	treatments around the outside of buildings To prevent immigrating adult beetles apply a uniform band of spray 2 feet (0.6 m) up and 1 to 4 feet (0.3 m – 1.2m) out from the foundation Do not apply more than 1 time per day
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FOR USE IN BARN, DAIRIES, MILKING PARLORS, MILKING ROOMS AND POULTRY HOUSES

Do not apply when food feed and /or water is present
Prior to space spray applications cover or remove food
Prior to space spray applications cover food processing surfaces or clean after treatment and before use

To kill listed flying insects including Flies Fruit Flies Mosquitoes Gnats Wasps Hornets and Small flying Moths dilute at the rate of 9 fluid ounces per gallon (71 ml/L) of water Apply dilution as a fog or fine mist (at approximately 2 fluid ounces per 1000 cubic feet of space (2ml/m³) directing the nozzle for maximum coverage and above livestock and poultry toward the ceiling and upper corners of the area being treated For best results close doors and windows before spraying and keep them closed for 10 to 15 minutes Applicator should vacate the treated area and ventilate it prior to returning

DIRECTIONS FOR USE IN COMMERCIAL ANIMAL PREMISE AUTOMATIC MISTING SYSTEMS

When using this product installers and service technicians must comply with the license certification or registration requirements of the state(s) tribe(s) or local authority(ies) where they are installed

Direct nozzles to spray towards the target area and away from areas where people are typically present Do not use in an evaporative cooling system Do not use in misters located within 3 feet of air vents air conditioner units or windows

If used in a system with a reservoir tank for the end use dilution the system reservoir tank must be locked Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve The dilution statement must be phrased as follows this container holds ___ parts PyGanic® Crop Protection EC 1.4 to ___ parts water

This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.033 lbs a / 1 000 cubic feet space sprays when non-domestic animals are present

STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

PESTICIDE STORAGE

Keep this product in a tightly closed container when not in use Store in a cool dry (preferably locked) area Post as a pesticide storage area Always store pesticides in the original container Store away from food feed seed fertilizers and veterinary supplies Place formulations on lower shelves and dry formulations above

PESTICIDE DISPOSAL

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

CONTAINER DISPOSAL

Nonrefillable container Do not reuse or refill this container

[For containers with capacities equal to or less than 5 Gallons (18.9L)]

Triple rinse container (or equivalent) promptly after emptying
Triple rinse as follows 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

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authorities

[Pressure rinse as follows [for containers greater than 5 Gallons (18 9L) too large to shake] Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds Drain for 10 seconds after the flow begins to drip Offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities]

Manufactured by



8810 Tenth Avenue North
Minneapolis MN 55427

EPA Reg No 1021-1771

EPA Est No 1021-MN-2

Net Contents _____

PyGanic® Crop Protection EC 1 4_{II} Master Label

[Alternate Brand Name PyGanic® Gardening EC 1 4_{II}

Sub-Label B For Organic Gardening
For Residential/Consumer Home Gardening

EPA Reg No 1021-1771

EPA Est No 1021-MN-2

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PyGanic® Gardening EC 1.4 II



[] OR () Indicates alternate or optional wording

[FOR USE ON NON-FOOD ORNAMENTALS (TREES SHRUBS AND BEDDING PLANTS)]
[FOR USE ON RESIDENTIAL GARDENS]
[For use in Organic Gardening]
[Flushes Insects & Mites from hiding]
[Provides rapid knockdown & kill of listed plant pests]

[Non-persistent in the environment]
[Can be used on day of harvest]
[Kills more than 100 listed insects]
[One Gallon of product treats up to 8 acres]
[One Quart treats up to 2 acres]
[Low Odor] [Non-corrosive to spray equipment]

ACTIVE INGREDIENT

Pyrethrins a botanical insecticide

1 40%

OTHER INGREDIENTS

98 60%

100 00%

MGK and PYGANIC® are Registered trademark of McLaughlin Gormley King Company All other marks are property of their respective holders

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 ON SKIN OR CLOTHING	<ul style="list-style-type: none"> 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	<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
IF INHALED	<ul style="list-style-type: none"> Move person to fresh air If person is not breathing call 911 or an ambulance then give artificial respiration preferably by mouth-to-mouth if possible Call a poison control center or doctor for further 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	

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin Avoid contact with skin eyes or clothing Avoid breathing vapors or spray mist Wash thoroughly with soap and water after handling and before eating drinking chewing gum, or using tobacco Remove and wash contaminated clothing before reuse Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish 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 Drift from treated areas may be hazardous to organisms in adjacent aquatic sites Do not contaminate water when disposing of equipment washwaters

TO KILL THE FOLLOWING LISTED INSECTS Including

12-spotted	Clover Mites	Fungus Gnats	Lygus	Skippers
Cucumber	Clover Weevils	Garden	Maggots	Small Flying
Beetles	Cockroaches	Symphylan	Mealy Bugs	Moths
Angoumois Grain	Codling Moths	Glassy Winged	Mediterranean	Soft Scales
Moths	Colorado Potato	Sharpshooters	Flour Moths	Southern chinch
Ants (excluding	Beetles	Gnats	Mexican Bean	bugs
fire and Pharaoh	Confused Flour	Grain Mites	Beetles	Sow bugs
ants)	Beetles	Grape Leaf	Midges	Spider Beetles
Aphids	Corn Earworms	Skeletonizers	Millipedes	Springtails
Apple Maggots	Crane Flies	Grape	Mites	Squash bugs
Armored Scales	Crickets	Leafhoppers	Mole crickets	Stable Flies
Armyworms	Cross-striped	Grape Mealy	Moths	Stink Bugs
Artichoke Plume	Cabbageworms	bugs	Mushroom Flies	Tarnished Plant
Moths	Cucumber	Grasshoppers	Navel	Bugs
Asparagus	Beetles	Green bugs	Orangeworms	Thrips
Beetles	Dark Mealworms	Green Fruit	Olive Fruit Flies	Tobacco Moths
Bagworms	Darkling Beetles	Worms	Onion Maggots	Tomato
Bean Beetles	(lesser meal	Green Peach	Orange Tortrix	budworms
Beet Armyworms	worm)	Aphids	Pacific flatheaded	Tomato bugs
Beetles	Diamondback	Greenhouse	borers	Tomato Fruit
Bermudagrass	Larvae and	Thrips	Pear Psyllids	worms
Mirids	Moths	Gypsy Moths	Pepper Weevils	Tomato
Billbugs	Dried Fruit	(adults & larvae)	Pink bollworms	Hornworms
Blister Beetles	Beetles	Harlequin Bugs	Potato	Tomato
Blow Flies	Drugstore	Heliothis spp	Leafhoppers	pinworms
Boll Weevils	Beetles	Hornworms	Potato	Tomato Russet
Boxelder Bugs	Earwigs	House Flies	Tuberworms	Mite
Branch and Twig	Eastern Tent	Imported	Proba bugs	Tussock moths
Borers	Caterpillars	Cabbageworms	Psyllids	Vine mealy bugs
Cabbage Loopers	Elm Leaf Beetles	Indian Meal	Red Flour	Vinegar Flies
Cabbage	Eriophyd Mites	Moths	Beetles	Webworms
Maggots	European Pine	Japanese Beetles	Rice Weevils	Weevils
Cadellles	Tip Moths	Katydids	Saltmarsh	Western Yellow-
Cankerworms	Fire worms	Lace Bugs	caterpillars	striped
Carrot Weevils	Flea Beetles	Leaf-footed plant	Saw Toothed	armyworms
Caterpillars	Forest Tent	bugs	Grain Beetles	Whiteflies
Chalcids	Caterpillars	Leafhoppers	Scales	Yellow
Cheese Skippers	Fruit Flies	Leafminers	Sharpshooters	Mealworms
Cherry Fruit Flies	Fruit tree Leaf	Leafrollers	Shore flies	
Cigarette Beetles	rollers	Leaftiers	Shot hole borers	
	Fruitworms	Loopers	Silverfish	

DIRECTIONS FOR USE

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

GENERAL PRECAUTIONS AND RESTRICTIONS

- Do not apply this product in a way that will contact workers or other persons either directly or through drift
- Do not make applications during the rain
- Do not wet plants to the point of runoff
- Not for use in outdoor residential misting systems(indoors or outdoor)
- Do not allow adults children or pets to enter the treated area until sprays have dried
- To avoid possible harm to honey bees it is advisable to apply in the early morning or late evening hours
- Not for indoor use

Pyrethrins degrade rapidly in sunlight To ensure the best performance coverage is key Use spray equipment that will provide the best coverage and direct contact with as many insects as possible

Dilute 1 to 1 4 fl oz of PyGanic® Gardening EC 1 4_{II} per Gallon of water per 1 000 sq ft For larger gardens apply 16 to 59 fluid ounces of PyGanic® Gardening EC 1 4_{II} of water per acre [by ground in sufficient water for thorough coverage Do not exceed the maximum application rates of 1 4 fl oz PyGanic® Gardening EC 1 4_{II} per 1000 sq ft or 59 fl oz PyGanic® Gardening EC 1 4_{II} per acre Apply dilute solution with all types of agriculture sprayers including compressed air sprayers or pump driven sprayers Mix only enough for immediate use Spraying should begin when the insects first appear Do not wait until the plants are heavily infested

IMPORTANT NOTE Plant safety is an important consideration when using insecticides However it is not possible to evaluate the phytotoxicity of PyGanic® Gardening EC 1 4_{II} on numerous plant varieties that may react differently to insecticides in different growth stages or under varying environmental conditions Before making widespread applications of PyGanic® Gardening EC 1 4_{II} treat a limited number of plants and observe for phytotoxicity over a 10 day period

ROOT AND TUBER VEGETABLES Including Arracacha Arrowroot Purple Arrowroot Japanese Artichoke Jerusalem Artichoke Garden Beets Sugar Beets Edible Burdock Edible Canna Carrots Cassava (bitter or sweet) Celeriac (celery root) Chayote (root) Chervil (turnip rooted) Chicory Chufa Dasheen Ginger Ginseng Horseradish Leren Parsley (turnip rooted) Parsnip Potato Radish Japanese Radish (Daikon) Rutabaga Salsify Black Salsify Spanish Salsify Sweet Potato Tanier Turmeric Turnip Yam (true) Yam Bean

LEAVES OF ROOT AND TUBER VEGETABLES Including Garden Beet Sugar Beet Edible Burdock Carrot Cassava (bitter or sweet) Celeriac (celery root) Chervil (Turnip Rooted) Chicory Dasheen (Taro) Parsnip Radish Japanese Radish (Daikon) Rutabaga Black Salsify Sweet Potato Tanier Turnip Yam (true)

BULB VEGETABLES Including Garlic Great-headed Garlic Leek Onion (bulb and green) Welch Shallot

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

BRASSICA (COLE) LEAFY VEGETABLES Including Broccoli Chinese Broccoli (Gai Lon) Broccoli raab (Rapini) Brussels Sprouts Cabbage Chinese Cabbage (Bok Choy) Chinese Cabbage (Napa) Chinese Mustard Cabbage (Gai Choy) Cauliflower Cavalo broccolo Collards Kale 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 Crowder 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 Melons (including hybrids Cantaloupe Casaba Crenshaw Golden Pershaw Melon Honeydew Melons Honey Balls Mango Melon Muskmelon Persian Melon Pineapple Melon Santa Claus Melon Snake Melon) Pumpkin Squash (summer & winter) Watermelon (including hybrids)

CITRUS FRUITS Including Calamondin Citrus Citron Citrus Hybrids Grapefruit Kumquats Lemons Limes Mandarin (Tangerine) Orange (sweet & sour) Pummelo Satsuma Mandarin (Citrus spp Includes Chironja Tangelos Tangors)

POME FRUITS Including Apple Crabapple Loquat Pear Mayhaw Oriental 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 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 and 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 Carob Barbados Cherry Cherimoya Dates Durian (Jackfruit) Fejoa Figs Guava Kiwifruit Lychee Mango Papaya Passion Fruit Persimmon Pineapple Pomegranate

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) 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) Mustard (seed) Nasturtium Nutmeg Oregano Mint Paprika Parsley (dried) Pennyroyal Pepper [black] Pepper [white] Poppy (seed) Rosemary Rue Saffron Sage Savory [summer and winter] Sweet bay (bay leaf) Tansy Tarragon Thyme Vanilla Wintergreen Woodruff Wormwood

ADDITIONAL PLANTS Including Artichoke Asparagus Avocado Coffee Cotton Hops Jojoba Mushroom, Okra Olives Peanuts Pineapple Rice Safflowers Sesame Sugar Cane Sunflower Tea

FOR USE ON ORNAMENTAL PLANTS GROWN IN GARDENS Including African Violet Ageratum Aster Azalea Begonia Calceolaria Calendula Calla Camellia Carnation Ceanothus Cineraria Chrysanthemum Coleus Cyclamen Cypress Daffodil Dahlia Delphinium Dogwood Elm Eucalyptus Fern Ficus Foliage Plants Fuchsia Gardenia Geranium Gladiolus Gloxinia Gypsophila Holly Hyacinth Hydrangea Iris Lily Maidenhair Fern Marigold Narcissus Palm Pansy Peony Pelargonium Petunia Philodendron Phlox Pine Pyracantha Rhododendron Roses Rubber Plant Snapdragon Sweet Pea Tulips Viburnum Wandering Jew Yew Zinnia and Andromeda Arborvitae Ash Beech Birch Boxwood Cotoneaster Crabapple Euonymus Fir Firethorn Forsythia Hawthorn Hemlock Hickory Honey Locust Horse Chestnut Juniper Larch Laurel Lilac Linden Mimosa Myrtle Oak Pine Privet Tulip Tree Viburnum Willow

STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

PESTICIDE STORAGE Keep this product in its tightly closed original container when not in use Store in a cool dry (preferably locked) 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 disposal facility

CONTAINER DISPOSAL

Nonrefillable container Do not reuse or refill this container

If empty

Offer for recycling if available

If partly 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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