

1021-1751

09/21/2012

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



OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

SEP 21 2012

Mr Lennan  
McLaughlin Gormley King Company  
8810 Tenth Avenue North  
Minneapolis, MN 55427

Subject        Amended Reregistration Label  
                  Product Name PYGANIC Crop Protection EC 1 4  
                  EPA Registration Number 1021-1751  
                  EPA Decision Number 412428

Dear Mr Lennan,

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the Pyrethrin RED(s), and has concluded that your submission is acceptable

NOTE This product is not being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time

Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below Any previously dated CSFs are superseded


- Basic CSF, dated 8/2/2011
- Alternate CSF #1, dated 2/28/01

A copy of your label stamped "Accepted" is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec 6(e).

If you have any questions about this letter, please contact Jessica Rogala at (703) 347 0263 or via e-mail at [rogala.jessica@epa.gov](mailto:rogala.jessica@epa.gov)

Sincerely,



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



PYGANIC™ Crop Protection EC 1.4

For use on growing crops and ornamentals as described below  
 This product can be sprayed at any season of the year  
 Flushes insects & mites from hiding  
 Provides rapid knockdown & kill of plant pests  
 Contains pyrethrum – a botanical insecticide derived from chrysanthemums  
 Approved 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  
 User friendly container for convenient and accurate use  
 Non flammable  
 Controls more than 40 insects  
 One gallon of product treats up to 8 acres  
 Low odor  
 Non corrosive to spray equipment

GROUP	3A	INSECTICIDE
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ACTIVE INGREDIENT  
 Pyrethrins  
 OTHER INGREDIENTS

1.40%  
 98.60%  
 100.00%

PYGANIC™ Trademark of McLaughlin Gormley King Co

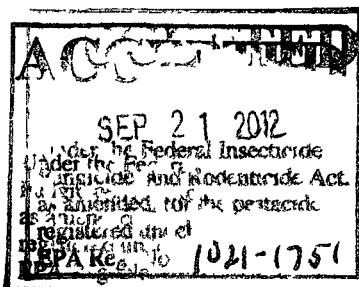
KEEP OUT OF REACH OF CHILDREN

**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"> <li>Call a poison control center or doctor immediately for treatment advice</li> <li>Have person sip a glass of water if able to swallow</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor</li> <li>Do not give anything by mouth to an unconscious person</li> </ul>
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> <li>Take off contaminated clothing</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes</li> <li>Call a poison control center or doctor for treatment advice</li> </ul>
IF IN EYES	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes</li> <li>Remove contact lenses if present after the first 5 minutes then continue rinsing eye</li> <li>Call a poison control center or doctor for treatment advice</li> </ul>
IF INHALED	<ul style="list-style-type: none"> <li>Move person to fresh air</li> <li>If person is not breathing call 911 or an ambulance then give artificial respiration preferably by mouth-to-mouth if possible</li> <li>Call a poison control center or doctor for further treatment advice</li> </ul>
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	



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PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION**

Harmful if swallowed Harmful if absorbed through skin Avoid contact with skin eyes or clothing 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 butyl rubber nitrile rubber or viton** If you want more options follow the instructions for category F on an EPA chemical resistance category selection chart

Mixers loaders applicators and other handlers must wear the following

long sleeve shirt  
long pants  
**chemical resistant gloves**  
shoes and socks

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 approve 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

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

See engineering controls for additional requirements

USER SAFETY REQUIREMENTS

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

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

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User Safety Recommendations

Users should

Wash hands 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

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ENGINEERING CONTROLS

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides 40 CFR 70 240 (d)(6)

Human flagging is prohibited Flagging to support aerial application is limited to the use of the Global Positioning System (GPA) or Mechanical flaggers

ENVIRONMENTAL HAZARDS

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

DIRECTIONS FOR USE

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

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

## USE 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 application during the rain
- Do not wet plants to point of runoff or drip
- Not for use in residential misting systems

## 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 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 or other Group 3A insecticides.

To delay insecticide resistance consider

Avoiding the consecutive use of PyGanic® Crop Protection EC 1.4 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.

### 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, butyl rubber, nitrile rubber, or viton

Shoes plus socks

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

**USED ALONE:** Apply 16 ounces (1 pint) to 64 ounces (2 quarts) per acre by ground in sufficient water for thorough coverage. This product may be applied by air at the rate of 16 to 64 ounces per acre in a minimum of 5 gallons 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 control. It is recommended that the final spray mix be buffered to a pH of 5.5-7.0.

**USED AS A TANK MIX:** This product may be tank mixed with other insecticides and acaricides to provide a flushing of insects from hiding and into contact with other spray residues. This application should conform to accepted use precautions and directions for both products.

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

#### GROWING CROPS (OUTDOORS AND IN GREENHOUSES)

ROOT AND TUBER VEGETABLES Including (but not limited to) Arracacha Arrowroot Purple Arrowroot Japanese Artichoke Jerusalem Artichoke Beets Sugar Beets Edible Burdock Carrots Cassava (bitter or sweet) Celeriac (celery root) Chervil (turnip rooted) Chicory Chuffa 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 (but not limited to) Beet Sugar Beet Edible Burdock Carrot Cassava (bitter or sweet) Celeriac (celery root) Chervil (Turnip Rooted) Chicory Dasheen Parsnip Radish Japanese Radish (Daikon) Rutabaga Black Salsify Sweet Potato Tanier Turnip Yam (true)

LEAFY VEGETABLES Including (but not limited to) Amaranth (Leafy Amaranth Chinese Spinach Tampala) Arrugula Celery Celtuce Chervil Cilantro Corn Salad Chrysanthemum (edible leaved) Chrysanthemum (gardland) Cress (garden) Upland Cress (yellow rocket winter cress) Dandelion Dock (sorrel) Endive (escarole) Fennel (Florence) Lettuce (head and leafy) Orach Parsley Purslane (garden & winter) Rhubarb Spinach Fine Spinach (Malabar Ceylon) Spinach (New Zealand) Swiss Chard

BRASSICA (COLE) LEAFY VEGETABLES Including (but not limited to) Broccoli Chinese Broccoli (Gai Lon) Broccoli raab (Rapini) Brussels Sprouts Cabbage Chinese Cabbage (Bok Choy) Chinese Mustard Cabbage (Gai Choy) Cauliflower Collards Kale Kohlrabi Mustard Greens Rape Greens

LEGUME VEGETABLES (SUCCULENT OR DRIED) Including (but not limited to) 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 Peas) Pigeon Peas Soybeans

FOLIAGE OF LEGUME VEGETABLES Including (but not limited to) 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 (but not limited to) Eggplant Ground Cherry Okra Pepinos Pepper (Bell Pepper Chili Pepper Cooking Peppers Pimentos Sweet Peppers) Tomatillo Tomatoes

CUCURBIT VEGETABLES Including (but not limited to) Balsam Pear (Bitter Melon) Chinese Waxgourd Citron Melon Cucumber Gherkin Edible Gourds Melons (including hybrids) Cantaloupe Casaba Crenshaw Honeydew Melons Honey Balls Mango Melon Muskmelon Persian Melon) Pumpkin Squash (summer & winter) Watermelon (including hybrids)

CITRUS FRUITS Including (but not limited to) Calamondin Citrus Citron Citrus Hybrids Grapefruit Kumquats Lemons Limes Mandarin (Tangerine) Orange (sweet & sour) Pummelo Satsuma Mandarin

POME FRUITS Including (but not limited to) Apple Crabapple Loquat Pear Oriental Pear Quince

STONE FRUITS Including (but not limited to) Apricot Cherry (sweet & sour) Nectarine Peach Plum Prune Chickasaw Plum Damson Plum Japanese Plum

SMALL FRUITS AND BERRIES Including (but not limited to) Blackberry Blueberry Cranberry Currant Dewberry Elderberry Gooseberry Grape Huckleberry Loganberry Olallie Berry Raspberry (black & red) Strawberry Youngberry

ORIENTAL VEGETABLES Including (but not limited to) Japanese Artichoke Chinese Broccoli (Gai Lan) Chinese Cabbage (Bok Choy) Chinese Mustard Cabbage (Gai Choy) Dasheen Ginger Ginseng Chinese Longbeans Mung Beans Citron Melon Balsam Pear (Bitter Melon) Japanese Radish (Daikon) Chinese Spinach Chinese Waxgourd

ADDITIONAL CROPS Asparagus Onions (bulb and green) Rice

ORNAMENTALS Including (but not limited to) African Violet Aster Azalea Begonia Calceolaria Calendula Calla Camellia Carnation Cineraria Chrysanthemum Cypress Daffodil Dahlia Dogwood Elm Eucalyptus Fern Ficus Geranium Gladiolus Gypsophila Holly Juniper Lily Margold Oak Palm Peony Petunia Philodendron Pine Roses Snapdragon Sweet Pea Tulips Viburnum Wandering Jew Yew Zinnia

FOR THE CONTROL OF INSECTS Including (but not limited to) Ants Aphids Armyworms Asparagus Beetle Blister Beetles Cabbage Looper Caterpillars Cockroaches 12 spotted Cucumber Beetle Colorado Potato Beetles Corn Earworm Crickets Cross striped Cabbageworm Cucumber Beetles Deer Fly Diamondback Larvae Fireworms Flea Beetles Fruit Flies Fruittree Leafroller Grape Leafhopper Green Peach Aphids Greenhouse Thrips Gypsy Moth (adults & larvae) Harlequin Bug Heliothis sp Imported Cabbageworm Leafhopper Leafrollers Leaf tiers Lice Mexican Bean Beetle Potato Leafhopper Psyllids Skippers Stink Bugs Thrips Vinegar Flies Webworms and Whiteflies

# STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

PESTICIDE STORAGE Store in a cool dry area preferably under lock and key Keep container closed Post as a pesticide storage area Always store pesticides in the original container Store away from food pet food feed seed fertilizers and veterinary supplies Place liquid formulations on lower shelves and dry formulations above

PESTICIDE DISPOSAL To avoid wastes use all materials in this container by application according to label directions If wastes cannot be avoided offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry)

CONTAINER HANDLING Nonrefillable container Do not reuse or refill this container Triple rinse container (or equivalent) promptly after emptying Then offer for recycling if available or puncture and dispose of in a sanitary landfill

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 / 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

Triple Rinse as follows [for containers greater than 5 Gallons (18.9 L)] Empty the remaining contents into application equipment or a mix tank Fill the container 1/4 full with water Replace and tighten closures Tip container on its side and roll it back and forth ensuring at least one complete revolution for 30 seconds Stand the container on its end and tip it back and forth several times Turn the container over onto its other end and tip back and forth several times Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal Repeat this procedure two more times

Net Contents \_\_\_\_\_

Manufactured by

Mc LAUGHLIN GORMLEY KING COMPANY  
8810 Tenth Avenue North  
Minneapolis MN 55427

EPA Reg No 1021 1751

EPA Est No 1021 MN 2