**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**

# PyGanic®

## Organic Insecticide

**ACTIVE CONSTITUENT: 13 g/L PYRETHRINS**

**GROUP 3A INSECTICIDE**

PyGanic® is a fast-acting botanical insecticide derived from Chrysanthemums that provides short-term control of several insect pests by contact action on fruit and vegetable crops, as per the Directions for Use table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE OPENING OR USING.

## CONTENTS: 3.78 L

**MGK Asia-Pacific Pty. Ltd.** ABN: 64 085 882 382
44 Barclay Road, North Rocks, NSW 2151
Telephone: 02 9872 9666

PULL HERE TO OPEN / PRESS TO RESEAL

Label image proudly supplied by
Infopest
infopest@dpi.qld.gov.au



**STORAGE AND DISPOSAL**

Store in original container, tightly closed, in a cool, dry place away from foodstuffs, heat or open flame. Triple rinse container and add residue to spray tank. Puncture and bury in a suitable landfill. Avoid contamination of any water supply with chemical or empty container.

**SAFETY DIRECTION**

May irritate the eyes and skin. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. Avoid contact with eyes and skin. DO NOT inhale vapour or spray mist. Wash hands after use.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131126).

**MATERIAL SAFETY DATA SHEET**

Additional information is listed in the Material Safety Data Sheet available from MGK Asia-Pacific Pty. Ltd.

**EXCLUSION OF LIABILITY**

This product as supplied is of a high grade and suitable for the purpose for which it is expressly intended and must be used in accordance with the directions. The user must monitor the performance of any product as climatic, geographical or biological variables and/or developed resistance may affect the results obtained. No responsibility is accepted in respect of this product, save for those non-excludable conditions implied by the Trade Practices Act or any State or Federal legislation.

PyGanic® – Registered trademark of McLaughlin Gormley King Company

**EMERGENCY ADVICE**

**In a transport emergency,**

**DIAL 000**

**FOR POLICE OR FIRE BRIGADE.**

**For specialist advice in an emergency only dial**

**02 9872 9666**

**All hours Australia-wide**

*Distributed by:*

*Manufactured by:*
McLaughlin Gormley King Company
8810 Tenth Avenue North
Minneapolis, MN 55427, USA
APVMA Approval No.: 59684/3.78L/0506

Date of Manufacture: )
)
) see side of container
)
Batch No.: )

***Concentrate Spraying***

- Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed.
- Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume.
- Determine an appropriate dilute spray volume (See Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate.
- The mixing rate for concentrate spraying can then be calculated in the following way:

EXAMPLE ONLY

i. Dilute spray volume as determined above: For example 1500 L/ha
ii. Your chosen concentrate spray volume: For example 500 L/ha
iii. The concentration factor in this example is 3X (i.e., 1500 L ÷ 500 L = 3)
iv. If the dilute label rate is 150 mL/100 L, then the concentrate rate becomes 3 x 150, that is 450 mL/100 L of concentrate spray.

- The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows.
- For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

## COMPATIBILITY

DO NOT mix PyGanic with lime sulphur, Bordeaux mixture or any other alkaline materials. This product may be tank mixed with other insecticides, acaricides, fungicides, adjuvants, and wetting agents. This application should conform to accepted 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 use.

Prior to tank mixing, conduct a small-scale physical compatibility test using the proper proportions of products and water to ensure the physical compatibility of the mixture.

## RE-ENTRY PERIOD

DO NOT re-enter treated area until the spray has dried, approximately 15 minutes after the application.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Toxic to fish and other aquatic organisms. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

## PROTECTION OF LIVESTOCK

Dangerous to bees. DO NOT spray any plants in flower while bees are foraging.

## STORAGE AND DISPOSAL

Store in original container, tightly closed, in a cool dry place away from foodstuffs, heat or open flame. Triple rinse container and add residue to spray tank. Puncture and bury in a suitable landfill.

Avoid contamination of any water supply with chemical or empty container.

## SAFETY DIRECTIONS

May irritate the eyes and skin. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. Avoid contact with eyes and skin. DO NOT inhale vapour or spray mist. Wash hands after use.

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If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131126).

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## EXCLUSION OF LIABILITY

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APVMA Approval No.: 59684/3.78LL/0506

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IMPORTANT: THIS LEAFLET IS PART OF THE LABEL.
READ THOROUGHLY BEFORE OPENING OR USING.

## CONTENTS: 3.78 L

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44 Barclay Road, North Rocks, NSW 2151
Telephone: 02 9872 9666

APVMA APPROVED

## DIRECTIONS FOR USE – All states

- PyGanic is not intended to be the sole foundation of pest control but should be used as part of an integrated pest management program.
- PyGanic is a contact insecticide that will kill a broad range of insects including beneficial insects when present.

To ensure good control, complete coverage of the target crop is necessary.

### TREE AND VINE CROPS:

| **RATE**<br>In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the "Application Section". | | | **CRITICAL COMMENTS**<br>**For all uses in this table: Apply by dilute or concentrate spraying equipment. Refer to the section "Dilute Spraying" and "Concentrate Spraying" in the General Instructions. Apply the same amount of product to the target crop whether applying this product by dilute or concentrate spraying methods.** | |
|---|---|---|---|---|
| **CROP** | **PEST** | **RATE mL/100 L water** | **CRITICAL COMMENTS** | |
| Avocados | Greenhouse Thrips *(Heliothrips haemorrhoidalis)* | 200 | Control of Greenhouse Thrips may be expected to last 72 hours only. | PyGanic provides no residual control, but is useful in an IPM program where other control methods are in place. Monitor pest presence and spray when first observed on fruit. Apply early evening to dusk after bee foraging has ceased.<br>Repeat applications may be necessary. |
| Citrus | | 150 | | |
| Kiwifruit | Passion Vine Hopper *(Scolypopa australis)* | 200 | Control of Passion Vine Hopper may be expected to last 24 hours only. | |

### HORTICULTURAL CROPS:

| **CROP** | **PEST** | **APPLICATION RATE L/ha** | **CRITICAL COMMENTS** | |
|---|---|---|---|---|
| Cabbage | Diamondback Moth *(Plutella xylostella)* | 1.2 – 4.8 | Control of Diamondback Moth may be expected to last 24 hours only. | PyGanic provides no residual control, but is useful in an IPM program where other control methods are in place. Monitor pest presence and spray when first observed.<br>Repeat application may be necessary. Under conditions of heavy pest pressure or when the pest population is dominated by late immature stages and adults the higher rate of PyGanic is recommended. Thorough coverage is essential for optimum performance. |
| Lettuce | Pea aphids *(Acyrthosiphon pisum)* | 1.2 – 4.8 | Control of Pea Aphids, Beet Armyworm and Potato Aphids may be expected to last 24 hours only. | PyGanic provides no residual control, but is useful in an IPM program where other control methods are in place. Monitor pest presence and spray when first observed.<br>Repeat applications may be necessary. |
| Tomato | Beet armyworm *(Spodoptera exigua)*<br>Potato aphids *(Macrosiphum euphorbiae)* | 1.2 – 4.8 | | |

**NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORIZED UNDER APPROPRIATE LEGISLATION.**

**WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.**

## GENERAL INSTRUCTIONS

### INSECTICIDE RESISTANCE WARNING

**GROUP 3A INSECTICIDE**

For insecticide resistance management, PyGanic® is a Group 3A insecticide.

PyGanic is not intended to be the sole foundation of pest control but should be used as part of an integrated pest management program. Some naturally occurring insect biotypes resistant to PyGanic and other Group 3A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if PyGanic or other Group 3A insecticides are used repeatedly. The effectiveness of PyGanic on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, McLaughlin Gormley King Company accepts no liability for any losses that may result from the failure of PyGanic to control resistant insects.

### MIXING

Add PyGanic to water at the recommended rate and mix well before spraying. Maintain agitation or agitate frequently while spraying. Mix only enough for immediate use.

### APPLICATION INSTRUCTIONS

DO NOT apply in direct sunlight or when temperature exceeds 32°C.
**Best applied just before dusk or early morning before sun is at full strength.**

Spraying should begin when 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.

When first using PyGanic, always treat a few plants of each species to ensure crop safety before treating large areas.

PyGanic is a contact insecticide that will kill a broad range of insects including beneficial insects when present. PyGanic has very limited residual activity. Therefore, to ensure good control, complete coverage of the target crop is necessary.

### Special Mixing and Application Instructions for Tree and Vine Crops:

#### *Dilute Spraying*

- Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed.
- Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off.
- The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice.
- Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off.
- The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.