

# PyGanic<sup>®</sup> 1.4

**Organic insecticide for immediate control of the most-destructive crop pests**



## PyGanic 1.4 features

- 13 g/L Pyrethrins.
- **Organically-compliant. Australian Organic Registered farm input.**
- **No withholding period required.**
- **Re-enter when spray has dried – normally 15 minutes after application.**
- **Available in 1 L and 3.78 L packs.**



## MGK's crop protection botanical series solutions

MGK's crop protection botanical series is the right choice for growers who are concerned about the environment and their field workers, but also want a more effective range of botanical insecticide options for the control of hard-to-kill insects. Sumitomo insecticide products are made with softer botanically-derived active ingredients so they have a lower impact on the environment, but a higher impact on pests.

PyGanic is a versatile tool for producers of organic crops outdoors, in greenhouses, or on and around organic livestock. The active ingredient, Pyrethrins, is a botanical insecticide derived from chrysanthemums. PyGanic can be applied up to and including the day of harvest. PyGanic is a versatile tool for what you need, when you need it.



## About McLaughlin Gormley King Company

Founded in 1902 and based in Minnesota USA, MGK sells insect control products into consumer home and pet products, professional pest control, animal health and other markets.

Sumitomo Chemical is a majority shareholder in MGK, and the MGK range is distributed in Australia by Sumitomo Chemical Australia.



[mgk.com](http://mgk.com)

PyGanic is a registered trademark of McLaughlin Gormley King Company.



[www.sumitomo-chem.com.au](http://www.sumitomo-chem.com.au)

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## Directions for use

- 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			CRITICAL COMMENTS	
In the following table, all rates are given for dilute spraying. For concentrate spraying, refer to the "Application Section".			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 ( <i>Heliethrips haemorrhoidalis</i> )	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. Repeat applications may be necessary.
Citrus		150		
Kiwifruit	Passion vine hopper ( <i>Scolypopa australis</i> )	200	Control of Passion vine hopper may be expected to last 24 hours only.	

### HORTICULTURAL CROPS

CROP	PEST	RATE L/ha	CRITICAL COMMENTS	
Cabbage	Diamondback moth ( <i>Plutella xylostella</i> )	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. 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 ( <i>Acyrtosiphon pisum</i> )	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. Repeat applications may be necessary.
Tomato	Beet armyworm ( <i>Spodoptera exigua</i> ) Potato aphids ( <i>Macrosiphum euphorbiae</i> )	1.2 - 4.8		

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

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

## Tips for best performance

- Buffer the pH of the PyGanic 1.4 spray solution to 5.5 - 7.0.** Application of the spray solution with a pH outside of this range may result in poor performance on target pests.
- PyGanic 1.4 is a contact insecticide** – good coverage is key. The amount of water used as a carrier has to be sufficient to achieve good coverage and contact target insects.
- PyGanic 1.4 may be applied in conjunction with a spreader or wetting agent.** While PyGanic 1.4 should be compatible with most products, conducting a small-scale test to tensor the lack of phytotoxicity of the combination is recommended.
- Consider application in early morning, late evening or during the night.** Reduced UV exposure and lower temperatures will increase performance and reduce impact on pollinators.
- For most situations, start at the 'mid' application rate for PyGanic 1.4.** In general using PyGanic 1.4 at the rate of 1.2 - 4.8 L/ha provides excellent knockdown and kill of insects. Conditions under which increasing the rate used per acre are recommended are – (1) extremely high insect populations; or (2) when the insect population is dominated by late-stage immature or adults.
- Carefully monitor insect populations and apply when insects are in their early life stage.** Monitor your crops for the first appearance of insects and treat the insects during the early stages of colonisation.
- Apply PyGanic 1.4 when target insects are active.** Apply when the target insects are active to increase the direct contact during the early stages of colonisation.
- Apply when beneficial insects are not present.**