

# Flush insect pests from your crop... Naturally



## Overview

**PyGanic® from Sumitomo Chemical is a fast-acting botanical insecticide derived from Chrysanthemums, providing short-term control of a range of insect pests across a wide variety of crops. Due to its naturally derived active ingredient PyGanic has a high safety profile for field workers, a low impact on the environment and a high impact on pests.**

## Key features of PyGanic

- Includes 13 g/L of natural pyrethrins.
- Group 3A insecticide.
- Zero days withholding on many crops – 1 day withholding on others.
- Broad label with wide range of approved uses.
- Low user toxicity.
- Low environmental persistence and totally biodegradable.
- Flushing effect, resulting in cleaner produce.
- Australian certified organic status.



*PyGanic is available in convenient 1 L and 3.78 L packs*

*PyGanic is based on naturally grown pyrethrins extracted from Chrysanthemums*

## Crop use summary

Crop	Rate	Withholding period
Avocados	200 mL/100 L	Nil
<b>Citrus</b> including, oranges, mandarins, grapefruit, lemons and limes	150 mL/100 L	Nil
Kiwifruit	200 mL/100 L	Nil
<b>Flowerhead brassica's</b> including, broccoli, cabbage, cauliflower and Brussels sprouts	2.4 L/ha	Nil
Lettuce		Nil
Strawberries		Nil
Grapes – wine and table	150-200 mL/100 L*	Nil
<b>Stone fruit</b> including, apricots, nectarines, peaches, plums and prunes (fresh)		Nil
<b>Fruiting vegetables (field and protected)</b> including, capsicums, chillies, egg plant, tomato (excluding sweetcorn and mushrooms)	2.4 L/ha	Nil
<b>Brassica leafy vegetables</b> including, raab broccoli, Chinese broccoli (gai lan), Chinese cabbage (pak choi), bok choi, Chinese fat cabbage, cress (garden and upland), flowering white cabbage (choisum), kale, Kohlabi leaves, komatsuna (mustard spinach), mizuna, mustard greens (Indian and leaf), purple-stem mustard, radish leaves (inc tops), rape greens, rucola (arrugula and rocket), turnip greens, wasabi leaves and wild rocket		1 day
<b>Leafy vegetables</b> including, endive, fennel, kale, cress, mustard, silverbeet and spinach		1 day
<b>Legume vegetables</b> including, green beans, broad beans, common beans, catjan, cowpea, goa bean, green peas, guar, lablab bean, mung bean and soy bean		1 day
Cherries	150 mL/100 L	1 day
Macadamia nuts	200 mL/100 L <sup>^</sup>	1 day

\* Use higher rate for denser crops and higher pest pressure.

<sup>^</sup> Apply to point of run off to a maximum of 4 L/ha.

**Note: Refer to label for full directions for use and list of pests controlled.**

## PyGanic as a pre-harvest clean-up spray in fresh produce

Insect contamination in fresh and processed produce is a significant recurring problem for vegetable and fruit growers and processors. Insect contamination causes rejections and lost sales for growers, adds cost for processors and results in bad publicity for retailers.

Recently there have been numerous consumer complaints about redback spiders (*Latrodectus hasselti*) in broccoli.

PyGanic used at label rates immediately prior to harvest (3 to 12 hours) is very effective at flushing spiders and other insects from the crop for cleaner non contaminated produce.



*Redback spider contamination in broccoli*  
Photo: Dee Nott



*PyGanic used immediately prior to harvest can significantly reduce the risk of insect contamination in fresh and processed produce*  
Photo: Daily Mail

## Rules of thumb for best performance

### **ENSURE GOOD SPRAY COVERAGE IS ACHIEVED**

PyGanic is a contact insecticide and requires thorough coverage for best results.

### **BUFFER THE SPRAY WATER IF REQUIRED**

Keep the pH of the spray solution between 5.5 and 7.0 for better results. Test pH and add buffer as required.

### **APPLY WITH A NON-IONIC SURFACTANT**

Performance of PyGanic has been shown to improve when applied with a surfactant.

### **APPLY IN EARLY MORNING, LATE EVENING OR NIGHT**

Reduced UV exposure and lower temperatures will increase performance and decrease the risk to pollinators.

### **APPLY PYGANIC BEFORE INSECTS BECOME ENTRENCHED OR REACH MATURE GROWTH STAGES**

Monitor crops closely and treat for the first appearance of insects. Pre-harvest flushing applications are best applied leading up to and immediately before harvest (ensure withholding periods are observed).

### **APPLY PYGANIC WHEN TARGET INSECTS ARE ACTIVE**

Target times when the insect pests are visible and actively moving to increase direct contact.

### **CONSIDER MULTIPLE APPLICATIONS**

Trial work has shown that 2 or more applications of PyGanic 3 to 5 days apart significantly improves the final result, for both pre-harvest clean-up and in-season applications.

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