



International

PyGar®

NATURAL INSECTICIDE

A fast acting non residual natural insecticide for the control of a wide range of insect pests.

Designed for use by professional pest control operators for the space spraying of both urban and industrial areas.



www.pelgar.co.uk



PyGar utilises the natural pyrethrum extract from the chrysanthemum daisy (*Chrysanthemum cinerariifolium*) synergised with piperonyl butoxide (PBO) to effectively control insects.



PeIGar has over 40 years experience of natural pyrethrum formulation

PyGar has been developed for the professional pest management industry. There was a real need for the industry to have a product specifically designed to control insect pests in and around both urban and industrial sites.

In the past most natural insecticides were primarily horticultural products that were then adapted for use in professional pest management treatments. Their labels were quite complex and full of information that was not relevant for today's pest controller.

Recently there has been a move within the horticultural sector to remove piperonyl butoxide (PBO) from their products. This allows the product to be used on certified organic crops, and eliminate PBO MRL values on food crops.

Why add PBO? Pyrethrum on its own is a fast acting contact poison that 'knocks down' susceptible insects. Insects are left paralyzed by the toxic effect of pyrethrum. The normal function of the nervous system is affected, stimulating repetitive nerve discharges leading to paralysis. However, some insects are able to recover after the initial knockdown.

The addition of the synergist PBO to our natural pyrethrum formulation reduces the insects' ability to quickly metabolise and de-toxify the natural pyrethrum, therefore giving effective control and enhancing kill.

Without PBO it is likely a lower level of kill will be achieved resulting in poor control.



PyGar can be used in a wide variety of situations, from the thermal fogging of a warehouse facility for general insect pests through to outdoor use for mosquito control.

The application chart opposite comes directly from the **PyGar** label.

PyGar can be used in thermal fogging equipment, ULV (Ultra Low Volume) mister (cold fogger) and motorised knapsack.

PEST	APPLICATION	RATE	COMMENTS
Flying & Crawling Insects	Space spraying using ULV (Ultra Low Volume) mister (cold fogger) or motorised knapsack.	Dilute 200ml of PyGar with 2.0L of water for every 1000m ³ treated	Mix PyGar in sufficient water to obtain coverage. Apply at least 2.0L of mixed diluent per 1000m ³
	Thermal fogging with fogging agent.	100ml of PyGar plus 200ml of fogging agent	Apply at least 200ml of mixed PyGar and fogging agent per 1000m ³
Mosquitoes & Flies OUTDOOR USE	Space spraying using ULV (Ultra Low Volume) mister (cold fogger) or motorised knapsack.	Apply 1ml PyGar per 100m ² in sufficient water to get coverage	ULV (Ultra Low Volume) application is 300ml to 500ml per 100m ²
	Thermal fogging with fogging agent.	300ml of PyGar plus 200ml of fogging agent plus 500ml of water	35ml of diluted solution per 100m ²

PyGar is approved for the control of flying and crawling insects in dairy food preparation areas, meat packing, pack houses, animal slaughtering premises, factories and residential housing.



APPROVED



Over 3 years in development, PelGar wanted to bring a new weapon to the pest controller's armoury. The result is **PyGar** with very broad use approvals.



Environmental
Protection Authority
Te Mana Rauhi Taiao

DECISION

23 March 2016

1. Summary

Substance	Pygar
Application code	APP202744
Application type	To import or manufacture for release any hazardous substance under Section 28 of the Hazardous Substances and New Organisms Act 1996 ("the Act")
Applicant	PelGar International Limited
Purpose of the application	To import Pygar, an insecticide containing 14 g/L pyrethrins and 56.5 g/L piperonyl butoxide, for professionals to control a range of insect pests indoors and outdoors in urban and industrial situations
Date application received	11 February 2016
Consideration date	23 March 2016
Considered by	The Chief Executive ¹ of the Environmental Protection Authority ("the EPA")
Decision	Approved with controls
Approval code	HSR101120
Hazard classifications	3.1D, 6.1E (aspiration), 6.3B, 8.3A, 6.5A, 6.5B, 6.9B (inhalation), 9.1A, 9.3C, 9.4B

¹ The Chief Executive of the EPA has made the decision on this application under delegated authority in accordance with section 19 of the Act.

New Zealand Environmental Protection Authority (EPA) approval was given for **PyGar** on 23rd March 2016 under approval code HSR101120



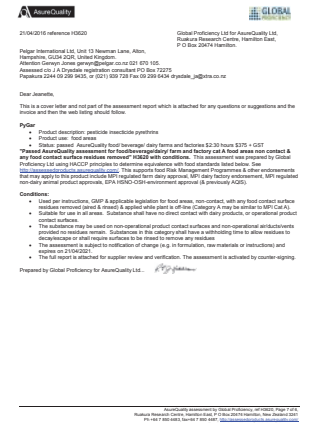
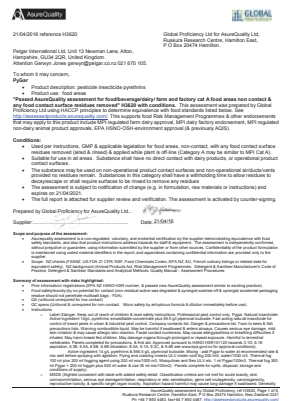
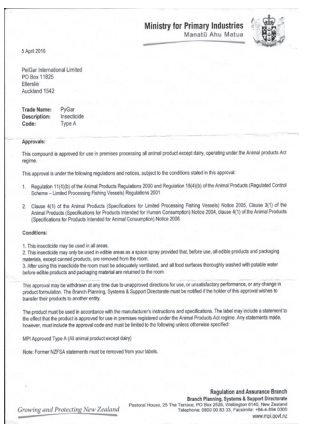


PyGar approved Type A insecticide by the New Zealand Ministry of Primary Industries (MPI) on 5th April 2016.

PyGar passed AsureQuality for food/beverage/dairy/farm and factory category A on 21st April 2016. Approval number H3620 with conditions.

With both approvals under please see **PyGar** label for conditions of use.

Ministry for Primary Industries
Manatū Ahu Matua





International

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