

**ECOTOXIC, COMBUSTIBLE
LIQUID**

KEEP OUT OF REACH OF CHILDREN

GREENSEALS
PYRETHRUM

FAST ACTING NATURAL INSECTICIDE

INSECTICIDE

Contains: 14 g/litre pyrethrins in the form of an emulsifiable concentrate.
Also contains 56.5 g/litre piperonyl butoxide and hydrocarbon liquids.

**For insect control in various horticultural crops,
urban and industrial premises**



PLEASE READ ENTIRE LABEL BEFORE USE**HAZARD CLASSIFICATION:** 3.1D, 6.1E, 6.3B, 6.4A, 6.5A, 6.5B, 6.9B, 9.1A, 9.4A**APPROVED HANDLER:** This product must be under the control of an Approved Handler during use. See MSDS for full details.**RECORD KEEPING:** Records of use must be kept under certain circumstances. See MSDS for details.**WARNING:** Combustible liquid. Keep away from naked flames or ignition sources. May be harmful if swallowed, inhaled or absorbed through the skin. May cause eye irritation, avoid contact with the eyes. May cause skin irritation and skin sensitization, avoid contact with the skin. May cause respiratory sensitization, avoid inhalation of vapours or mist. May cause organ damage from repeated oral exposure at high doses.**FIRST AID:** If swallowed DO NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If spilt on the skin, remove contaminated clothing and wash affected areas of skin. DO NOT SCRUB THE SKIN. If concentrate is splashed in the eyes, flush with running water for at least 15 minutes. Seek medical attention.**PERSONAL PROTECTION:** Avoid skin and eye contact and inhalation of spray mist. When handling, wear chemical resistant gloves, eye protection, overalls and boots. DO NOT eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work.**ECOTOXIC:** Very toxic to fish. Avoid contamination of any water supply with chemical or empty container. Very toxic to bees. Spray must not contact plants in flower if they are likely to be visited by bees.**STORAGE:** Store in original container, tightly closed, away from foodstuffs. Keep out of reach of children.**DISPOSAL:** Triple rinse empty container placing rinse water in the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot or crush and bury in an approved landfill. Dispose of product only by using according to this label, or at an approved disposal facility.**MATERIAL SAFETY DATA SHEET:** Additional information is listed in the MSDS available from Zelam Limited or www.zelam.com.Approved pursuant to the **HSNO Act 1996**, No: HSR000301. See www.epa.govt.nz for approval conditions.Registered pursuant to the **ACVM Act 1997**, No: P005417 See www.foodsafety.govt.nz for registration conditions.**GENERAL INFORMATION:** Greenseals Pyrethrum is a fast acting natural insecticide. It controls a range of insect pests by contact action on fruit, vegetable, and ornamental crops. Also for use in industrial and urban pest control.**DIRECTIONS FOR USE – Fruit, Vegetables and Ornamentals:**

It is an offence to use this product on animals.

CROP	PEST	RATE (per 100 litres)	CRITICAL COMMENTS
Avocados	Greenhouse thrips	100 ml	Monitor pest presence and spray when first observed on fruit. High numbers occur late summer and through the autumn. 3 to 4 applications at 21 day intervals may be necessary.
Citrus	Greenhouse thrips	100 ml	Monitor pest presence and spray when first observed on fruit. High numbers occur over summer and autumn. 3 to 4 applications at monthly intervals may be necessary.
Kiwifruit	Passion vine hopper	100-500 mls	Monitor pest presence and spray when hoppers are first observed. Apply with a water rate of over 2000 litres/ha. Use the high rate under extreme pest pressure or when coverage is difficult due to full canopy. Apply early evening to dusk when the passion vine hopper is less mobile due to cooler temperatures. Repeat application as necessary at 10 to 14 day intervals.
Fruit, vegetables and ornamentals	Aphids, earwigs, pear slug, passion vine hopper	500 mls	Monitor pest presence and spray when first observed. Repeat applications as necessary at 7 to 14 day intervals.
Apricots	NZ flower thrips	100-200 ml (2 to 4 litres/ha)	Best applied in the evening or early morning to prolong activity. Dilute water rates are recommended to gain maximum control in stem and crevice areas. Use the high rate under high pest pressure or when coverage is difficult due to full canopy. Apply 2 to 3 applications before harvest at 3 to 7 day intervals. In order to achieve optimum crop hygiene, application should be 1 day prior to each selective pick.

DIRECTIONS FOR USE- Urban and Industrial Pest Control:

To control flying and crawling insects in dairy food preparation areas, meatpacking, pack houses, animal slaughtering premises, factories and houses. Includes NZSFA approved Type A (all animal products except dairy). AsureQuality approved 25/12/05 Category A (Dairy)

Space spraying using ULV mister (cold fogger) or motorized knapsack.

Apply 200 ml/1000 cubic meters mixed in sufficient water to obtain coverage using at least two litres of mixture per 1000 cubic meters.

Space spraying using thermal fogging with fogging agent.

Mix 100 ml with 200 ml fogging agent and apply to use at least 200 ml of mixture per 1000 cubic meters.

Outdoor use for short term control of mosquitos and flies.

Using ULV mister or cold fogging application equipment, apply 1.0 litre per ha in sufficient water to get coverage. Usual rate for ULV equipment is 30 to 50 litres water per ha.

Using thermal fogging equipment mix 300 ml with 200 ml fogging agent in 500 ml water and apply 3.5 litres of this mixture per ha.

MIXING and APPLICATION: Add Greenseals Pyrethrum to water at the recommended rate and mix well before spraying. Maintain agitation or agitate frequently while spraying. Use diluted spray mixtures within 24 hours. Do not apply in direct sunlight or when temperatures exceed 32°C. Use with caution on young plants and on new growth as crop damage may result.

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

COMPATIBILITY: Do not mix Greenseals Pyrethrum with lime sulphur, Bordeaux mixture or any other alkaline materials. Avoid reaction with oxidising agents.**RESISTANCE MANAGEMENT:** **GROUP 3 INSECTICIDE**

Greenseals Pyrethrum contains a pyrethroid insecticide with the sodium channel modulation mode of action. Individual members of a pest population could be resistant to this and other group 3 insecticides due to natural genetic variation. To minimise the risk of these resistant pests dominating the population use Greenseals Pyrethrum strictly in accordance with label instructions and resistance management strategies that exist for any insect pests listed on this label. Avoid using group 3 insecticides exclusively all season and avoid unnecessary spraying. Maintain good cultural control practices. See www.nzpps.org for more information.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residue Limits of Agricultural Compounds) Food Standards.

WITHHOLDING PERIOD: Nil**NOTICE TO BUYER:** The manufacturer and vendors of Greenseals Pyrethrum warrant the formulation to contain the specified active ingredient within accepted tolerance but make no warranty of any kind on the uses of material and accept no responsibility, whether the material is used in accordance with the label directions or not.**REGISTERED TO:** GreenSeal 2000 Ltd, Hudson Rd, New Plymouth, New Zealand.

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