

DANGER
KEEP OUT OF REACH OF CHILDREN
ACUTE TOXIC
FLAMMABLE LIQUID
ECOTOXIC



PYRINEX[®] INSECTICIDE

Organophosphate containing substance

**For control of various insect pests
in certain agricultural and
horticultural crops**

Active Ingredient: Contains 480 g/litre chlorpyrifos
in the form of an emulsifiable concentrate
Also contains 465 g/litre xylene

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NET CONTENTS
5, 10, 20 L

ADAMA

Important: Read this booklet completely before mixing or using.

HAZARD CLASSIFICATIONS

Classifications 3.1C, 6.1C, 6.3A, 6.4A, 6.8B, 6.9A, 9.1A, 9.2B, 9.3.A, 9.4A



ACUTE TOXIC



FLAMMABLE LIQUID



ECOTOXIC

APPROVED HANDLER: This product must be under the control of an approved handler during use

TRACKING: this product must be tracked – see SDS for details

RECORD KEEPING - Records of use must be kept under certain circumstances – see The New Zealand Standards for Management of Agrichemicals (NZS8409) for details.

FLAMMABLE

Warning – flammable liquid – keep away from naked flame

TOXICITY

Warning -

May be fatal if swallowed, inhaled or absorbed through the skin.

May cause eye and skin irritation.

May cause reproductive/development damage from repeated oral exposure.

Danger -

Presumed to cause organ damage from repeated oral exposure at high doses.

Avoid skin and eye contact and inhalation of vapour and spray mist.

ECOTOXICITY

Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.

Very toxic in the soil environment.

Very toxic to terrestrial invertebrates.

Very toxic to bees. Do not apply Pyrinex Insecticide to any plant or tree likely to be visited by bees at the time of application or immediately after application until spray has dried or in areas where bees are likely to be foraging.

HANDLING PRECAUTIONS

Keep out of reach of children.

Do not eat, drink or smoke while using.

Equipment

Apply using accurately calibrated and maintained equipment in accordance with The New Zealand Standard for the Management of Agrichemicals (NZS8409).

Storage

Store in the original, unopened container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs.

As a Class 9 Substance with Ecotoxicity Classifications storage of Pyrinex Insecticide must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS8409) is followed as a means of meeting the secondary containment provisions of the HSNO Emergency Management Regulations. See Safety Data Sheet for further information

Protective Clothing

When mixing, loading or applying Pyrinex Insecticide, or entering an application area within the 24-hour re-entry interval, chemical resistant coveralls, gloves, footwear plus socks, headgear for overhead exposures and protective eyewear must be worn at all times. Unless applying using a vehicle with a fully-enclose cab equipped with personal protective equipment, the operator must wear appropriate respiratory protection. Wash hands, arms and face with soap and water before meals and after work. Wash protective clothing after use.

Spillage

Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing as in the Precautions box of this label to clean up spills. Absorb spills with an inert (such as vermiculite, earth, sand or synthetic absorbent substance) material and place in waste containers. Wash area with water and alkaline detergent then absorb any remaining liquid with further inert material. Dispose of the waste safely in an approved landfill.

Disposal

Container Disposal - Triple rinse empty container and add rinsate to spray tank. Burn in an appropriate incinerator, if circumstances such as wind direction permit. Otherwise crush or puncture and bury in a suitable landfill, or if appropriate, recycle. Avoid contamination of any water supply with product or empty container.

FIRST AID

If swallowed do NOT induce vomiting. **For advice contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor immediately.** DO NOT SCRUB SKIN. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If concentrate is splashed in eyes, wash it out immediately with water. If inhaled, remove to fresh air. Take to hospital without delay.

SAFETY DATA SHEET

A Safety Data Sheet for this product is available from Adama New Zealand Limited on request. Call 03 543 8275.

BEWARE: Pynrex Insecticide must not be applied in a manner that results in adverse effects beyond the intended boundary of the application area. A strategy to avoid spray drift must be employed at all times. Details of spray drift mitigation measures must be recorded as part of the application records. Ensure compliance with relevant regional air management plants.

DIRECTIONS FOR USE

DO NOT APPLY MORE THAN 3.1L PER HECTARE PER CROP CYCLE

AGRICULTURAL CROPS

CROP	PEST	RATE/ha	CRITICAL COMMENTS
Lucerne	Aphids	300-450 mL	Apply as soon as Aphids appear. Use the lower rate on short crops with little leaf, and the higher rate on tall crops. Do not spray plants in flower.
	Sitona Weevil	600-800 mL in 100-200 L water	To control adults apply in mid-late May, after flights cease and before egg laying occurs. Use the high rate in dense stands and spray during a warm, calm day.
Maize	Army Caterpillar, Corn Earworm	500 mL	Apply immediately damage is first seen and repeat if necessary 14-21 days later.
	Cutworm	600 mL	Use in sufficient water for complete coverage of the seedlings and surrounding soil. Spray in the evening at first sign of damage.
Pasture	Army Caterpillar	Ground application 400 mL in 100-200 L water Aerial application 400 mL in 50-100 L water	Apply when damage is first seen (usually associated with severe flood damage).
	Lucerne Flea	200 mL	Apply in late autumn/early winter at first sign of clover damage.
	Porina Caterpillar	1.25-1.7 L in 50-200 L water	Use the low rate against small caterpillars, before frosts occur. Closely graze pasture before spraying.
	Tasmanian Grass Grub	1.25-1.5 L in 100-200 L water	Apply to short dry pasture between April and June at first signs of pasture damage. Harrowing of dung patches is recommended prior to spraying, to expose the larvae. Use higher rates when population is large.
	Argentine stem weevil	1.25 L in 100-200 L of water/ha	Apply as soon as eggs are found on the lower leaf sheaf.
Cereals	Cereal, Rose and Grain Aphid	300-400 mL	Apply at first sign of infestation. Use the high rate when infestation pressure is high or the crop is dense.
Ryegrass/ Cereals	Argentine Stem Weevil	1.25 L	Apply as soon as eggs are present on the lower leaf sheath.

HORTICULTURAL CROPS

CROP	PEST	RATE	CRITICAL COMMENTS
Avocado	Leafroller	50-75 mL/ 100 L water	Apply as a high volume spray to run off. Apply pre-flowering, at complete petal fall, then at 21 day intervals until late April, or after April if Leafroller is still present.

HORTICULTURAL CROPS cont.

CROP	PEST	RATE	CRITICAL COMMENTS
Avocado cont.	Leafroller	Aerial application: 1.7 L/ha	Use sufficient water for good coverage. Apply pre-flowering, at complete petal fall, then at 21 day intervals until late April, or after April if Leafroller is still present.
Brassicas and forage crops	Aphids	Ground application: 300-400 mL/ha in 100-200 L water/ha Aerial application: 300-400 mL/ha in 50-100 L water/ha	Apply as necessary.
	Nysius	1.25 L/ha in 100-200 L of water/ha	Apply to seedling crops as soon as damage is apparent or when nymphs can be seen feeding on seedlings
	Springtails	200 mL/ha in 50-200 L water/ha	Apply 1-2 days before crop emergence or as soon as damage is first noticed.
Grapes Except Table Grapes	Grape vine weevil, Aphids, Leafroller, Mealy Bug, Scale Crawlers and Thrips	50-75 mL/ 100-200 L water	Use the higher rate for Mealy Bug control or when insect pressure is high. Apply at bud swell (with intermediate oil), pre-flowering, post-flowering and 14 days later, then every 21 days until harvest. Ensure complete plant coverage and penetration into bunches for optimum control of mealy bug.
Kiwifruit	Greedy Scale, leafroller, passion vine hopper	50 mL/ 100 L water	Use as a dilute spray of not less than 1 L/ha. Make the first application at green tip (at least 10 days after the dormant lime sulphur treatment) and repeat just before blossom. Complete wetting of vine trunks, leader and canes is essential for Greedy Scale control. The addition of a non-ionic wetting agent is recommended. Do not apply after bud cracking (first visible petals).
Onions	Onion Thrips	1 L in 400-500 L water/hectare. The use of a wetting agent is recommended.	Apply when monitoring shows numbers exceed recommended action threshold level. Apply 3-4 applications at 10-14 day intervals, close intervals to 5-7 days during hot conditions. If further treatments are required, use an insecticide with a different active ingredient.
Pipfruit, Stonefruit pre-flowering	Mealy Bug, Scale Crawlers, Woolly Aphid and Brown beetle	80 mL/ 100 L water or not less than 2.4 L/ha on mature trees	Ensure complete coverage. Do not exceed 3.1L/ha. Pipfruit Apply at bud movement with a suitable spraying oil. Repeat without oil 10-14 days later at tight cluster. Stonefruit Apply at early bud movement with a suitable spraying oil.
Winter Squash	Aphids, Caterpillars	500 mL/ha in approximately 200 L water	Apply as a single application soon after emergence, at the first signs of insects or insect damage.
		Ground application: 500 mL/ha in 500 L water/ha Aerial application: 500 mL/ha in at least 50 L/ha water	As a pre-harvest clean up, apply only when flowering has finished and bees are not present in the crop.

INDUSTRIAL SITUATIONS

Situation	PEST	RATE	CRITICAL COMMENTS
Industrial pests	Spiders, Ants and Slaters	120 mL in 10 L of water or deodorised kerosene	Apply to areas around doors, windows, eaves and other resting areas. Re-treat as required.

WITHHOLDING PERIOD

Avocados,	
Grape, Maize:	DO NOT APPLY LATER THAN 14 DAYS BEFORE HARVEST
Cereals for grain:	DO NOT APPLY LATER THAN 8 WEEKS BEFORE HARVEST
Fodder crops, Pasture:	DO NOT APPLY LATER THAN 7 DAYS BEFORE HARVEST
Kiwifruit:	DO NOT APPLY LATER THAN BUD CRACKING (FIRST VISIBLE PETALS)
Onions:	DO NOT APPLY LATER THAN 7 DAYS BEFORE HARVEST
Pipfruit:	DO NOT APPLY AFTER TIGHT CLUSTER
Squash:	DO NOT APPLY LATER THAN 10 DAYS BEFORE HARVEST
Stonefruit:	DO NOT APPLY AFTER PETAL FALL

RE-ENTRY INTERVAL

Do not enter any treated area for 24 hours after application. If prior entry is required, chemical resistant coveralls gloves, footwear plus socks, headgear for overhead exposures and protective eyewear must be worn at all times.

GENERAL INSTRUCTIONS

MIXING

Invert container several times before opening. Stir well. Add the full quantity of product to the partly filled spray tank while agitating. Fill tank and agitate to ensure thorough mixing and continue agitation while spraying. Agitate vigorously from the bottom if allowed to stand. Reseal part used containers immediately.

APPLICATION

The rates suggested for Orchard crops are for high volume spraying to run off. For concentrate spraying, adjust dilution rate accordingly. Do not apply more than 3.1 L Pyrinex Insecticide per hectare per crop cycle.

AERIAL APPLICATION

For wide-dispersive (aerial) application, the applicator must provide written notice of the proposed application to any person(s) likely to be directly affected by the application, including occupiers and owners of land, dwellings, buildings or property that is immediately abutting the application area. This notice must be given at least two working days but no more than four weeks in advance of each application; and specify the following:

- i. The location of the application area;
- ii. The date and approximate duration of each application;
- iii. The steps to be taken by the notified parties to avoid exposure (e.g. closing windows and doors, moving laundry indoors, staying inside, etc.);
- iv. The name of the organisation(s) undertaking the application;
- v. Contact details for the person in charge of the application (phone, email or postal address, including a contact number for immediate contact during application).

COMPATIBILITY

This product is compatible with most commonly used pesticides. It is not compatible with highly alkaline materials such as Bordeaux mixture and lime sulphur.

RESISTANCE MANAGEMENT

Resistance to this pesticide may develop from excessive use. To minimize this risk use strictly in accordance with label instructions and resistance management strategies that exist for any insect pest listed on the label. Avoid using this insecticide exclusively all season and avoid unnecessary spraying. Maintain good cultural control practices.

CONDITIONS OF SALE

Adama New Zealand Limited will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than the responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by the Statutes applicable to the sale and supply of these goods. To the extent allowed by such Statutes the liability of Adama New Zealand Limited is limited to the replacement of the goods or (at the option of Adama New Zealand Limited) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to Adama New Zealand Limited within thirty days of delivery.



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Registered pursuant to the ACVM Act 1997, No. P7273
See www.foodsafety.govt.nz for registration conditions.

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Pyrinex[®] is a trademark of an ADAMA Agricultural Solutions Ltd. Company



EMERGENCY RESPONSE
(All hours)
Ring from anywhere in New Zealand
0800 734 607

In a Transport
Emergency
Phone 111
Police or Fire

Batch Number:

Bar code to be inserted

Date of Manufacture: