



**WARNING • KEEP OUT OF REACH OF CHILDREN**  
Ecotoxic Shake well before use.



**Key Industries**

Protecting people, crops and native species

# Chitinex<sup>TM</sup>

## GENERAL INFORMATION

An insect growth regulator for the control of silverfish, immature fleas and cockroaches.

## ACTIVE INGREDIENT

Contains 48g/L Triflumuron in the form of a suspension concentrate.

Group	15	Insecticide
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Chitinex<sup>TM</sup> is a trademark of Key Industries Ltd



Distributed by

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**1L**

# Chitinex™

Read label before use. Do not handle until all safety precautions have been read and understood.



## RECORD KEEPING

Record keeping is not required but best practice is to ensure a written record is kept of each application or discharge of the substance if more than 3kg is applied or discharged within 24 hours in a place where –

## TOXICITY WARNING:

CAUSES SERIOUS EYE IRRITATION (Cat 2). MAY CAUSE AN ALLERGIC SKIN REACTION (Cat 1). MAY CAUSE ORGAN DAMAGE through prolonged or repeated exposure (Cat 2).

Do not inhale the spray mist. Wear protective gloves/eye protection/face protection. Wash any areas of the body that have come into contact thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash before re-use.

## ECOTOXICITY:

HARMFUL TO AQUATIC LIFE (Chronic Cat 2) WITH LONG LASTING EFFECTS. HAZARDOUS TO TERRESTRIAL INVERTEBRATES. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Do not apply substance to plants if bees are foraging; or the plants are in flower or part flower. Do not apply directly into or onto water.

## HANDLING PRECAUTIONS

**STORAGE:** Store in the original container tightly closed and in a locked, dry, cool and well ventilated area – well away from foodstuffs. Storage must be generally in accordance with NZ58409.

## PERSONAL PROTECTION

When mixing or applying, wear eye protection, chemical resistant gloves (e.g. PVC or neoprene), chemical resistant boots, waterproof hat and cotton overalls buttoned to the neck and wrist. When applying this product above 1m height an approved half/full face filter respirator for organic vapours should be worn. When spraying below 1m height use a P2 disposable facemask as minimum respiratory protection.

## DISPOSAL

Triple rinse empty container and add rinsate to spray tank. Do not burn empty container that has not been rinsed.

Recycle triple rinsed containers through an approved recovery scheme, eg Agrecovery. Otherwise, crush or puncture and bury in a suitably approved landfill.

Dispose of contents/container in accordance with local/regional/national regulations. Dispose of this product only by using according to the label, with an approved waste disposal company or treat so that it is no longer hazardous and then dispose of safely in a managed landfill. Do not burn the product.

Dispose of equipment cleaning water onto ground away from susceptible crops and plants.

## SPILLAGE

Exclude all bystanders, prevent material entering waterways and coming into contact with other products. Wear appropriate protective clothing 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 a bleach solution (sodium hypochlorite) then absorb any remaining liquid with further inert material. Dispose of waste with an approved waste disposal company.

## FIRST AID

If medical advice is needed, have product container or label at hand. If swallowed do not induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Get medical advice/attention if you feel unwell.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. **IF ON SKIN:** Wash with plenty of soap and water. If eye irritation persists: Get medical advice/attention. If inhaled, move victim to fresh air immediately. If breathing has stopped, begin artificial respiration. Use mouth-to-nose rather than mouth-to-mouth.

## NOTICE

**Important:** You **must** read the warning and conditions given on this label. If they are not acceptable, or if you are in doubt as to the proper handling of this product (including its transport, storage and disposal) then return the unopened product to the supplier at once.

## Warning:

This product is subject to controls and could be hazardous if handled incorrectly. The **user is responsible** for ensuring that the handling of this product is in accordance with the law (including the **Hazardous Substances and New Organisms Act 1996**) and with the directions provided. Key Industries Limited declines all liability whether in contract, tort (including but not limited to negligence), (or otherwise), to the maximum extent permitted by law in relation to the handling of this product in a manner which is contrary to the directions given or to any applicable Acts, Regulations or Guidelines.

**Further information** regarding the applicable Acts, Regulations and Guidelines for the proper handling of this product may be obtained by contacting EPA New Zealand ([www.epa.govt.nz](http://www.epa.govt.nz)).

This product is warranted to contain the specified active ingredient within accepted analytical tolerance when packed.

MPI Approved Type B (All animals product except dairy)

MPI approved for use in farm dairies and dairy processing

**HSNO Approval Code:** HSR008007

**UN Number:** 3082, Environmentally Hazardous Substance, Liquid, NOS (contains triflumuron)

**DG Class:** 9

**Packaging Gp:** III

**Batch No:**

**Date of Manufacture:**

PEEL  
HERE



AGRECOVERY

[www.agrecovery.co.nz](http://www.agrecovery.co.nz)



## DIRECTIONS FOR USE

### GENERAL INSTRUCTIONS

Chitinex Insect Growth Regulator is a slow acting insect growth regulator which has its greatest effect on early juvenile stages of insects. Applied to breeding areas, Chitinex will assist in preventing pest populations from building up to problem levels. Where quick action is required the use of a knockdown product as a tank mix with Chitinex is recommended. Chitinex Insect Growth Regulator is compatible with most adulticides such as Key Delta Aqua, Key Beta, Recruit and Carbadox Insecticides. As an insect growth regulator, without the excito-repellent action of a synthetic pyrethroid Chitinex will also complement treatment with gel baits for cockroach control.

If used alone on established pest populations, it will take several weeks for populations to decline to acceptable levels (3-4 weeks for fleas and 1-2 months for cockroaches). Chitinex should only be used alone when the pest population has already been reduced by other measures or when the property owner is willing to accept a slow action.

### Mixing

Shake product well before use. Mix Chitinex in the required amount of water or prepared knockdown product to uniformly and accurately apply the required amount.

### Application

DO NOT spray the moving parts of any machinery, electric motors or switchgear with the water-based product.

SITUATION	PEST	RATE	CRITICAL COMMENTS
Domestic, commercial, industrial and public buildings: - including food processing establishments, shops, factories, ships, offices, schools, storerooms, hospitals, barracks, private houses and external areas associated with such establishments.	Flea larvae	5 mL/L water/10 m <sup>2</sup>	Thoroughly spray all infested areas. It is recommended that premises are vacuumed and contents of vacuum bag removed before treatment takes place. This is particularly important where adult fleas are present. Ensure pets are treated with a suitable registered insecticide to avoid re-infestation of the treated premises. Exterior use: Pre-wetting the soil with a garden hose may be required on very dry soil.
	Immature cockroaches	10 - 20 mL/L water	When treating for cockroaches apply thoroughly to cracks, crevices and other places where cockroaches may hide and breed. Apply to point of run-off. The lower (10 mL/L) rate will be effective in most situations for a full season. Use the higher rate under difficult conditions or where more than season long control is required.
	Silverfish		When treating for silverfish apply thoroughly to surfaces in cupboards, cracks, crevices and other places frequented by silverfish. Apply to point of run-off.
Containers around buildings and structures which collect rainwater and function as mosquito breeding sites	Container breeding mosquito larvae	10 - 20 ml / L water	Apply as a residual spray to the inside of potential breeding sites, e.g. inside of containers, car tyres, holes in trees, etc. where rain water can collect. Use the higher rate when longer residual action is required. Repeat application where excessive rain has diluted the initial application.

### PRECAUTIONS

- Before use - remove or cover all exposed foodstuffs; cover all dishes and utensils, and places where food is prepared or stored.
- After use - thoroughly ventilate treated area. Clean up thoroughly before processing/serving resumes.
- When using in animal houses DO NOT spray directly onto livestock, their food, water, litter, feed bins, or surfaces that are accessible to the stock. DO NOT spray directly on humans, exposed food or food utensils or food preparation areas.
- Avoid contact of spray with timber to which a stain is subsequently to be applied, unless the owner is notified that the timber will need additional preparation, consistent with that if water alone had contacted the timber. (Evidence of water contact on timber is sometimes only evident once the stain has been applied).

It is an offence to use this product on animals.