

# DANGER

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

# TAL-KEN 100

INSECTICIDE/MITICIDE

**ACTIVE INGREDIENT: 100 g/litre BIFENTHRIN**  
in the form of an emulsifiable concentrate.

**GROUP 3 INSECTICIDE**

For the control of a wide range of insects in kiwifruit, vegetable brassicas, tomatoes, Kabocha and pumpkins.



Registered pursuant to the ACVM Act 1997, No. P009793

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR000277

See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls

**NET CONTENTS: 5 L**

Registrant:

**Kenso Corporation (M) Sdn Bhd**

Lot 29, Jalan Sungai Pinang 5/4, Taman Perindustrian Pulau Indah, 42920 Pelabuhan Klang, Selangor, Malaysia.

NZ Agent:

**Kenso NZ Limited**

2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand.  
Ph: 0800 536 766

# TAL-KEN 100 INSECTICIDE/MITICIDE

## PERSONNEL QUALIFICATION & EXPERIENCE

This product must be under the control of an appropriately trained and experienced person during storage, use and disposal. For guidance refer to the requirements for class 6 and 9 substances of the Health and Safety at Work (Hazardous Substances) Regulations 2017 part 4.5 and the Hazardous Substances (Hazardous Property Controls) Notice 2017 Part 4 Subpart C.

## HAZARD CLASSIFICATION

Flammable liquid Category 4, Acute oral toxicity Category 4, Aspiration hazard Category 1, Skin sensitisation Category 1, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1.

## DANGER

Combustible liquid. Harmful if swallowed. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Causes damage to organs through prolonged or repeated exposure.

## ECOTOXIC

TOXIC TO AQUATIC LIFE. VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. TOXIC TO FISH. DO NOT apply to bodies of water. DO NOT contaminate sewers, drains, dams, creeks or any other waterways with product or empty container. TOXIC TO THE SOIL ENVIRONMENT. TOXIC TO TERRESTRIAL VERTEBRATES. VERY TOXIC TO TERRESTRIAL INVERTEBRATES. TOXIC TO BEES - spray must not contact plants in flower if they are likely to be visited by bees except in the evening when bees have stopped working.

## HANDLING PRECAUTIONS

### STORAGE

Do not store near heat or flame.  
Store in original container tightly closed and in a locked, dry, cool area away from sources of ignition, seeds, fertilisers and foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals. Do not store with Class 1, 2, 3.2, 4 or 5 substances. Stores containing 100 litres are subject to signage, Storage of  $\geq 1000$  litres of Tal-Ken 100 requires secondary containment and more than 1000 litres require emergency response plans. Stores containing more than 500 litres of Tal-Ken 100 Selective Herbicide must have at least 2 fire extinguishers.

## DISPOSAL

Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, [www.agrecovery.co.nz](http://www.agrecovery.co.nz)). Otherwise, crush and bury in a suitable landfill. DO NOT reuse this container for any other purpose.

## 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 splashed in eyes, wash out immediately with water. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

## SAFETY DATA SHEET

A Safety Data Sheet is available from the Kenso NZ website: [www.kenso.co.nz](http://www.kenso.co.nz)

## CONDITIONS OF SALE

Kenso Corporation (M) Sdn. Bhd. 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 responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Kenso Corporation (M) Sdn. Bhd. is limited to the replacement of the goods or (at the option of Kenso Corporation (M) Sdn. Bhd.) the refund of the price paid and where possible sufficient part of the goods to enable proper examination being returned to Kenso Corporation (M) Sdn. Bhd. within thirty days of delivery.



EMERGENCY RESPONSE  
Ring 0800 CHEMCALL, or  
0800 243 622 (24 hours)

Product of Malaysia



9 421028 661355

**KENSO NZ**  
Together we grow

Batch No.:

Date of Manufacture:

UN NO: 3082  
ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S.  
(CONTAINS BIFENTHRIN)  
PACKING GROUP III,  
HAZCHEM 2X,  
CLASS 9



In a transport emergency dial 111,  
Police or Fire Service.  
For specialist advice in emergency only,  
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UN NO : 3082



**ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID N.O.S.**

**(CONTAINS BIFENTHRIN)**

**MARINE POLLUTANT**

**PACKING GROUP III**

**HAZCHEM 2X, CLASS 9**

**In a transport emergency dial 111,  
Police or Fire Service.**

**For specialist advice in emergency only,  
call 0800 734 607 (24 hours).**

### PERSONAL PROTECTION

When mixing or applying wear eye protection, cotton overalls buttoned to the neck and wrist, chemical resistant gloves and boots. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

### DISPOSAL

Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, [www.agrecovery.co.nz](http://www.agrecovery.co.nz)). Otherwise, crush and bury in a suitable landfill. DO NOT reuse this container for any other purpose.

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Batch No. :

Date of Manufacture :

**PRODUCT INFORMATION:**

Tal-Ken 100 Insecticide/ Miticide is a synthetic pyrethroid insecticide/ miticide with a broad spectrum of activity controlling a wide range of chewing and sucking insects on kiwifruit, tomatoes, Kabocha, pumpkins and vegetable brassicas. Tal-Ken 100 Insecticide/ Miticide kills pests through both contact and ingestion. Tal-Ken 100 Insecticide/ Miticide is not systemic so thorough coverage is essential. It is an offence to use this product on animals.

**DIRECTIONS FOR USE**

Mixing: Pour the required quantity into the partly filled spray tank with agitation running, and complete filling of the tank. Add a non-ionic wetting agent to improve wetting of the leaf surface if necessary.

Application: Apply in sufficient water to obtain complete coverage. For horticultural crops, the rates are for high volume spraying to run-off. For concentrate spraying adjust dilution rate accordingly. Use the high rate under high insect pressure and when spraying on a 10 - 14 day schedule. Alternatively, use crop monitoring to determine when to spray for appropriate crops.

**RECOMMENDATIONS:**

Crop	Pest	Rate	Remarks
Field Tomatoes	Tomato fruitworm Aphids	250-500 ml/ha	Apply one application after 7 <sup>th</sup> January when second generation of tomato fruitworms are present. Use non-synthetic pyrethroid products prior to January 7 <sup>th</sup> to control first generation tomato fruitworms. See resistance management statement below.
Kabocha and Pumpkins	Aphids	200-400 ml/ha	Make a single application pre-blossom. See resistance management statement below
Vegetable brassicas	Diamond back moth and white butterfly caterpillars	250-500 ml/ha	Apply from emergence in alternation with a non-synthetic pyrethroid product. Add a suitable surfactant. See resistance management statement below.
Kiwifruit	Armoured scales – <b>Dormant</b>	For concentrate sprays: use 600 ml/ha For dilute sprays: use 40ml/100 litres water (min. 600 ml/ha)	Timing: Apply at late dormant stage. For concentrate spraying apply in 600 to 1000 litres of water and add an approved and crop safe organo-silicon wetter/penetrant at recommended label rates. For dilute spraying apply in 1000 to 1500 litres of water
	Armoured scales Leafrollers <b>Just before flowering</b>	For concentrate sprays: use 500 ml/ha For dilute sprays: use 20ml/100 litres (min. of 500 ml/ha)	Timing: Apply just before male vines begin to flower For concentrate spraying apply 600 to 1000 litres of water/ha and add an approved and crop safe organo-silicon wetter/penetrant at recommended label rates. For dilute sprays apply 1500 to 2500 litres of water/ha. NOTE: Best armoured scale control with Tal-Ken 100 Insecticide/ Miticide requires sprays at both timings.
Kiwifruit Airblast sprayer	Cicada and/or Passion Vine Hopper Eggs	1.0 L Tal-Ken 100 Insecticide/ Miticide crop safe organo-silicon at recommended label rates in 1000 L of water / ha OR 1.0 L Tal-Ken 100 Insecticide/ Miticide crop safe organo-silicon at recommended label rates in 600 – 800 L of water / ha	Cicada eggs only, or eggs of both cicadas and PVH: Apply after harvest as soon as good coverage of canes is possible but before mid July and before winter pruning. Canes are the key target. PVH eggs only: Spray can be applied throughout the dormant period, but to control PVH eggs target all soft wood in the orchard, including the wood of structures. Tal-Ken 100 Insecticide/ Miticide plus an approved and crop safe organo-silicon wetter/penetrant at recommended label rates may be applied up to 3 days before or after a spray of copper or of a bud breaking product.
Orchard surrounds	Cicada and/or Passion Vine Hopper Eggs	100 ml Tal-Ken 100 Insecticide/ Miticide plus 100 ml crop safe organo-silicon at recommended label rates 100 litres of spray mix	When the surrounds contain significant sources of cicadas or PVH, such areas may be sprayed using suitable directed equipment to get good coverage, e.g. hand guns. Make application at the same time that the Orchard is being treated. Follow all recommendations on the Engulf* label. Mahoe, Blackberry, Wildberry and Bracken Fern are favoured host plants for Passion Vine Hopper.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Limits for Agricultural Compounds.

**WITHHOLDING PERIODS:**

Kiwifruit - do not spray after first female flowers open. Do not allow animals to graze in treated areas  
Field tomatoes - 3 days; Kabocha and pumpkins - do not apply after flowering  
Vegetable brassicas - 3 days.

**RESISTANCE MANAGEMENT**

GROUP	3	INSECTICIDE
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Resistance to this pesticide may develop from excess use. To minimise this risk use strictly in accordance with label instructions. Diamond back moth caterpillars - avoid using this insecticide exclusively all season and avoid unnecessary spraying. Maintain good cultural practices.

Tomato fruitworm - Do not apply before the 7<sup>th</sup> of January and avoid unnecessary spraying. Maintain good cultural practices.

Aphids - If necessary to spray twice for aphids, use an insecticide with a different mode of action. Do not use a synthetic pyrethroid. If Tomato fruitworm is present in a squash crop prior to 7<sup>th</sup> January, do not spray Tal-Ken 100 Insecticide/ Miticide in line with the tomato fruitworm strategy above.

**COMPATIBILITY:**

Compatible with most commonly used fungicides and insecticides. Do not mix with copper sprays, lime sulphur or hydrogen cyanamide.