

HARMFUL • ECOTOXIC
Keep out of reach of children

Nufarm



50WG



Kaiso[®]
with **SORBIE**[®] TECHNOLOGY

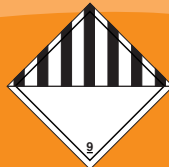
Active ingredient: 50g/kg lambda-cyhalothrin
in the form of a water dispersible granule.

A synthetic pyrethroid insecticide for the control of foliar pests in amenity turf, beans, cereals, citrus, grapes, fodder beet, forage herbs, kumara, maize, onions, ornamentals, potatoes, plantain and plantain/clover swards, pumpkins, sugar beet, sweetcorn, tomatoes, vegetable and forage brassicas, and winter squash.

Net:
2.5KG



9 414614 360022



01-19/PS/A03600-2.5KNZ1.2



Grow a better tomorrow.

HAZARD CLASSIFICATION

6.1D, 6.3B, 6.4A, 6.9B, 9.1A, 9.3B, 9.4A

APPROVED HANDLER

This product must be under the personal control of an approved handler when it is applied in a wide dispersive manner or used by a commercial contractor.

This product must not be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.

TOXICITY

- Harmful – may be harmful if swallowed, inhaled or absorbed through the skin. May cause skin and eye irritation. May cause neurotoxicity and lung damage from repeated oral or inhalation exposure at high doses.

ECOTOXIC

- Very toxic to aquatic organisms. Kaiso 50WG must not be applied onto, into or over water.
- 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.

HANDLING PRECAUTIONS**STORAGE**

- Store in original container tightly closed and in a locked, dry, cool place away from foodstuffs, seeds and fertilizers. Store in accordance with NZS 8409 Management of Agrichemicals.
- Stores containing 100kg of Kaiso Sorbie require signage and more than 100kg require emergency response plans.

PERSONAL PROTECTION

- Avoid skin and eye contact and inhalation of spray mist. When handling wear eye protection, waterproof gloves, boots, and overalls. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

EQUIPMENT

- Apply with well maintained and calibrated equipment.

DISPOSAL

- Dispose of product only by using according to the label, or at an approved landfill.
- Triple rinse empty container and add rinsate to the spray tank. Recycle empty container, otherwise crush and bury in a suitable landfill.

FIRST AID: If swallowed do NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Begin artificial respiration if victim is not breathing. Use mouth to nose rather than mouth to mouth. Obtain medical attention.

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes wash out immediately with water. If inhaled move the victim to fresh air immediately.

Spillage: Wear appropriate protective clothing. Exclude all bystanders from the vicinity of the spill. Contain liquid spills and prevent the substance from entering waterways. Sweep up solids without creating dust. Absorb liquid spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

Registered pursuant to the ACVM Act 1997, No. P8819

See www.foodsafety.govt.nz for registration conditions

Registered pursuant to the HSN0 Act 1996, Approval Code HSR100829

See www.epa.govt.nz for approval controls.

PROPER SHIPPING NAME	HAZARD CLASS	UN No.	HAZCHEM	PACKING GROUP
ENVIRONMENTALLY HAZARDOUS SUBSTANCE SOLID, N.O.S. (lambda-cyhalothrin 5%)	9	3077	2Z	III

Marketed by:

Nufarm Limited

6 Manu Street

Auckland, NZ

Telephone 0-9-270 4157

www.nufarm.co.nz

Batch No.:

D.O.M.:

Nufarm emergency phonenumber: 0800-651 911 toll free 24 hours

01-19/PS/A03600-2.5KNZ2.2

Transport: Do not carry more than 3kg of Kaiso 50WG on a passenger service vehicle.

Record Keeping: Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3kg or more of Kaiso 50WG is applied within 24 hours.

Mixing and Compatibility: Half full the spray tank with clean water and with the agitator running slowly pour the correct amount of Kaiso 50WG into the tank. Continue to agitate while adding the remainder of the water, and during spraying. Kaiso 50WG is compatible with most fungicides except strongly alkaline materials such as Bordeaux mixture.

Resistance Management: Kaiso 50WG contains a synthetic pyrethroid **GROUP 3A INSECTICIDE**. Insects with resistance to synthetic pyrethroids are known to exist. To prevent or delay the development of resistance use Kaiso 50WG strictly in accordance with label directions and resistance management strategies www.resistance.nzpps.org/ that exist for any insect pests listed on this label.

Diamondback moth. Apply in the period from mid-January to August. Use insecticides with a different mode of action outside this period. Maintain good cultural practices. Diamondback moth populations in some regions have shown a high level of resistance to synthetic pyrethroids. If this is indicated by poor control switch to an alternative chemical group.

Tomato fruitworm / corn earworm. Only apply synthetic pyrethroids after 7th January against second generation larvae. Avoid unnecessary spraying.

DIRECTIONS FOR USE:

It is an offence to use this product on animals.

Kaiso 50WG is a fast acting stomach and contact insecticide. Thorough coverage of plant surfaces is important for good control. For 'difficult to wet' crops add Contact™ Xcel at label rates.

The rates suggested are for high volume spraying to run off. For concentrate spraying adjust dilution rate accordingly.

Crop	Pest	Rate	Notes
Beans	Tomato Fruitworm	200g/ha in a minimum of 500 L of water/ha	Apply when insects first appear and if necessary 2 to 3 weeks later.
Beans, Forage Brassicas, Onions, Maize*, Sweetcorn*, Pumpkins*, Winter Squash*, Tomatoes, Vegetable Brassicas, Kumaras, Forage Herbs*, Fodder beet*, Sugar beet*, Plantain	Cutworm	200g/ha in a minimum of 300 L of water/ha Aerial. Use 100 to 150 L of water/ha	Apply immediately damage occurs, preferably in the evening as a directed spray to thoroughly cover the base of the plants and the surrounding soil.
Cereals	Cereal Aphid, Rose Grain Aphid	100-200g/ha in a minimum of 200 L of water/ha	Apply at first sign of aphids. Apply the lower rate when aphid pressure is low and shorter residual activity is required. A second application may be needed if aphids continue to migrate into the crop. Ensure sufficient water volume is used to give thorough crop penetration and coverage.
Citrus	Fullers Rose Weevil	1.5kg/100 L as a directed trunk spray	Apply sufficient spray to form a complete band around the trunk from the base to 30 cm high, using up to 300 mL/trunk. Apply at monthly intervals, using directed spray equipment. Commence prior to adult weevil emergence from the ground and continue over the duration of pest activity, usually December to June unless otherwise ascertained by monitoring. Ensure trees are well skirted up and tree rows are free of weeds to assist in control.

Crop	Pest	Rate	Notes
Field Tomatoes	Tomato Fruitworm	200g/ha in sufficient water for complete coverage. Use a minimum of 1000 L of water/ha when plants are fully grown.	Apply at 3 week intervals from transplanting or thinning.
Forage and Vegetable Brassicas	Diamondback Moth, White Butterfly Caterpillars	200g/ha in a minimum of 700 L of water/ha	Apply to seedbeds and following transplanting at 2 week intervals or as indicated by pest activity.
Grapes	Thrips	20g/100 L (DO NOT use less than 100g/ha)	Apply at early flowering. Apply in sufficient water to achieve good coverage of flower clusters.
	Bronze Beetle, Grass Grub Beetle	20g/100 L (DO NOT use less than 200g/ha)	Apply at dusk, when beetle flights begin. Apply in sufficient water to obtain coverage. Repeat after 14 days if flights are still continuing.
Kumara	Adult Black Beetle, Adult White Fringe Weevil, Caterpillars (eg Tropical Armyworm)	200g/ha in a minimum of 500L of water/ha	Apply at first sign of pests, then at 2 week intervals based on pest activity. Maintain adequate soil moisture and soil cover over developing tubers to assist prevention of tuber damage. Do not apply more than 3 applications per season.
Onions	Onion Thrip	200g/ha in a minimum of 500 L of water/ha.	Apply at first sighting of onion thrip and repeat as necessary.
Potatoes	Potato Tuber Moth	200g/ha in a minimum of 500 L of water/ha	Apply at first sighting of moths then at 2 week intervals. Maintain adequate soil moisture and soil cover over developing tubers to assist prevention of tuber mining.
	Tomato/Potato Psyllid	500g/ha in a minimum of 500 L of water/ha	Apply at first sign of psyllids then at 7 to 14 day intervals. Use the closer interval under high pressure. Ensure sufficient water volume is used to give thorough crop penetration and coverage.
Plantain and plantain/ clover swards	Plantain Moth	100g/ha in 150- 200L water/ha	Apply as soon as caterpillars are first noticed. DO NOT spray when clover is flowering
Amenity turf	Tasmanian Grass Grub, Sod Webworm, Adult Black Beetle, Red Legged Earth Mite	20g/100 L of water or 200g/ha.	Apply at first sign of pests and repeat as necessary during pest activity.
Ornamentals	Aphids, Caterpillars, Thrips, Beetles, Weevils	20g/100 L of water	Apply at first sign of pests and repeat at 10-14 day interval as necessary during pest activity (max 4 applications). Spray a small selection of plants and observe for 7-10 days if phytotoxicity is unknown.

* For use on seedlings only.

Kaiso 50WG can be measured volumetrically: 340ml weighs approximately 200g. Weighing is recommended for more precise measurement.

WITHHOLDING PERIODS

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

Beans	3 days
Citrus	Avoid contamination of fruit
Cereals (grain)	70 days
Cereals (Barley and wheat forage)	28 days
Field Tomatoes	3 days
Forage Brassicas, Forage beets (including Fodder beet and Sugar beet), Plantain and Plantain/clover swards)	DO NOT allow stock to graze for 14 days after application
Grapes	DO NOT use after capfall
Kumara	14 days
Maize, Sweet Corn, Pumpkins, Winter Squash, Forage herbs (other than Plantain or Plantain/clover)	Seedlings only
Onions	14 days
Potatoes	14 days
Vegetable Brassicas	3 days

Kaiso® is a registered trademark of Nufarm Limited.

Sorbie® is a registered trademark of Nufarm Australia Limited.

Contact™ is a trademark of Nufarm Limited.

CONDITIONS OF SALE:

CAUTION: READ THIS NOTICE BEFORE OPENING THE CONTAINER

If you open this container you will be deemed to have accepted the conditions below.

The results from use of this product may be affected by factors beyond Nufarm's control, including mixing, use, climatic conditions, time of application, crop and crop stage and the possible development of resistance to the active ingredient, even though the product is reasonably fit for the purposes stated in this label, and even though label directions are followed. Nufarm will replace, free of charge, any product which is found to have a manufacturing defect. To the extent permitted by law, all other warranties, guarantees, representations and conditions, whether expressed or implied by law, trade, custom or otherwise are expressly excluded.

When you use this product, you agree that neither Nufarm Limited nor any manufacturer of any component of the product will be liable for any damage, injury or loss including consequential loss which arises in any way from the storage, handling, or use of the product. This exclusion of liability includes loss caused by negligent acts or omissions of Nufarm Limited or any supplier or manufacturer of the product or any of their employees and agents.

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