

HAZARD CLASSIFICATION: 3.1D, 6.1D, 6.3B, 6.9B, 9.1A, 9.3B, 9.4A

APPROVED HANDLER
This product must be under the 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.

FLAMMABLE
• Warning – combustible liquid - keep away from sources of ignition.

TOXICITY
• Harmful – may be harmful if swallowed, inhaled or absorbed through the skin. May cause mild skin irritation. Facial skin contact may cause temporary facial numbness. May cause damage to the nervous system, blood system and kidneys from repeated oral exposure at high doses.

ECOTOXIC
• Very toxic to aquatic organisms with long lasting effects. Avoid contamination of any water supply with product or empty container.
• 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, in a locked, cool, dry area away from sources of ignition and foodstuffs. Store in accordance with NZS 8409 Management of Agricultural chemicals. Do not store with Class 1, 2, 3.2, 4 or 5 substances.
• Stores containing 100L of Sheriff 100 require signage and secondary containment, and more than 100L require emergency response plans.
• Stores containing more than 500L must have at least 2 fire extinguishers.

PERSONAL PROTECTION
• Avoid skin and eye contact, and inhalation of spray mist. When mixing or applying wear eye protection, impervious gloves, boots and overalls. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and exposed skin before meals and after work.

EQUIPMENT
• Apply using well-maintained spray equipment. Calibrate equipment to give the desired application rate and full coverage.

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

Spillage: Wear appropriate protective clothing. Extinguish all ignition sources and exclude all bystanders from vicinity of the spill. Contain spill and prevent substance from entering waterways or coming into contact with Class 1, 2, 3.2, 4, or 5 substances. Absorb with inert material and place in waste containers. Wash area with water and detergent, absorb with further inert material and dispose of waste safely.

Transport: Do not carry more than 10L of Sheriff 100 on a passenger service vehicle.
Record Keeping: Records of use as described in NZS 8409 Management of Agricultural chemicals must be kept if 3L or more of Sheriff 100 is applied within 24 hours.

RESISTANCE MANAGEMENT
Sheriff 100 contains a synthetic pyrethroid

GROUP 3A INSECTICIDE Resistance to this insecticide could develop from excessive use. To prevent or delay the development of resistance, use Sheriff 100 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 caterpillars - apply in the period from mid Jan to Aug. 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 Jan against second generation larvae. Avoid unnecessary spraying.
If tomato fruitworm is present in a squash crop prior to 7th Jan, do not spray Sheriff 100 in line with the tomato fruitworm strategy above.
Aphids - If it is necessary to spray twice for aphids, use an insecticide with a different mode of action. Do not use a synthetic pyrethroid.

GENERAL INFORMATION:
Sheriff 100 is a pyrethroid insecticide particularly active against caterpillars, thrips, aphids, and industrial pests including flies, spiders, cockroaches and ants. Sheriff 100 provides a rapid knockdown combined with a good residual effect. Because Sheriff 100 is not systemic, good coverage is essential to obtain control.

DIRECTIONS FOR USE
It is an offence to use this product on animals.
Mixing: Pour the required quantity into the partly filled spray tank with agitation running and complete filling the tank. Add a non-ionic wetting agent such as Contact™ Xcel when spraying alone on hard to wet crops.

Application: Unless expressed in ml/ha the rates recommended are for high volume spraying to the point of runoff. For concentrate spraying, adjust dilution rates accordingly.
Ground rigs: Apply in sufficient water to obtain good coverage. Depending on the size and type of the crop this will be between 400-800L water/ha.

Aerial application: Use at least 100L water/ha. If possible, spray in a cross wind. Avoid spraying in calm air.
Compatibility: Compatible with most commonly used pesticides.

WARNING – Combustible Liquid
HARMFUL – Keep out of reach of children
ECOTOXIC



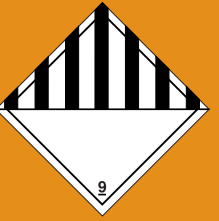
Active Ingredient: 100g/litre alpha-cypermethrin in the form of an emulsifiable concentrate. Also contains 757g/L hydrocarbon liquids.

An insecticide for the control of caterpillar pests in vegetable and forage brassicas, maize, sweetcorn and tomatoes, thrips and aphids in onions and tomatoes, grass grub beetle on non-bearing fruit trees and non-flowering newly planted shelter belts, Tasmanian grass grub and red legged earth mite in pasture and pests in industrial buildings.



02-17/PS/A1710-1LNZ1.2

Net: 1 Litre



Nufarm Grow a better tomorrow.

Crop	Pest	Rate	Comments
Fodder brassicas	Cutworm	200ml/ha in a minimum of 300 litres of water/ha.	Apply at first sign of insect damage
	Diamond back moth, white butterfly	200ml/ha in a minimum of 700 litres of water/ha	Apply at first sign of insect damage. Include Contact Xcel 25ml/100L water. Repeat at 14 day intervals. See resistance management statement.
Maize and sweetcorn	Cutworm, armyworm, corn earworm	150-200ml/ha	For aerial application on mature crops use a minimum of 100L water/ha. Greasy cutworm: Apply at the first sign of seedling damage. Armyworm: Apply at first sign of infestation and use high water rates to ensure penetration to the base of the crop. Corn earworm: Apply at first appearance of caterpillars on silks. Repeat at 10-14 day intervals or as required.
Onions	Thrips	200-250ml/ha	Spray as soon as thrips are noticed and continue at 14 day intervals. Try to get the spray running into the neck of the onion where the young thrips are.
Pasture	Tasmanian grass grub larvae	100-150ml/ha	Apply in Autumn at first appearance of grubs and pasture damage. Use the high rate when larvae are more than 10mm long.
	Red legged earth mite	50ml/ha	Apply when mite damage (leaf bleaching) is noticed, especially on legume seedlings.
Stonefruit	Green peach aphid	20-25ml/100L water	Apply only in the pre-flowering period. Apply at first sign of aphid infestation and repeat as required at 10-14 day intervals. Use the higher rate when aphid numbers are high.
Tomatoes (field)	Tomato fruit worm, aphids	200-300ml/ha	Commence spraying from fruitworm emergence at 7-10 day intervals. Use the high rate when infection pressure is high or caterpillars 20-30mm are present
Non-bearing fruit trees and vines*	Grass grub beetle	50ml/100L water	Apply at dusk as a moderately fine spray to ensure thorough coverage of foliage. Begin treatment when beetles first appear and repeat as required at 7 day intervals
Vegetable brassicas	Diamond back moth, white butterfly	200-250ml/ha	Commence spraying immediately after transplanting and continue at 14 day intervals. Use the high rate when infection pressure is high.

*Including berryfruit, pipfruit, tamarillos, avocados and grapes.

WITHHOLDING PERIOD:
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 Commodities.

Brassicas and tomatoes (field) 3 days
Sweetcorn 7 days
Onions 14 days

Do not graze or feed livestock on treated maize or sweetcorn stubble within 14 days of treatment.

Do not graze pasture within 7 days of treatment or cut for stockfeed within 14 days of treatment.

Do not graze fodder brassicas within 14 days of treatment.

Do not apply to stonefruit after the appearance of the first flower or to kiwifruit after cracking of flower buds (first visible petals).

SPRAY DRIFT: Do not allow spray drift over aquatic areas.

Aerial applications – to minimise the risk of damage from drift, use low drift nozzles which minimise the products of small droplets (<100 microns).

Preferably spray in a constant light breeze away from any sensitive crops.

BUILDINGS – DOMESTIC, AGRICULTURAL, COMMERCIAL, PUBLIC AND INDUSTRIAL PREMISES

Ants, flies, silverfish, cockroaches and spiders: Use 5-10ml/1L water applying 1L of mix to 20 square metres. Apply to walls, floors and other places frequented by pests.

Apply to cockroach harbours, cracks, crevices and other frequented areas. The higher rate will give longer control. Residual control will be best obtained on non-porous surface.

Note: Do not allow spray to contact food, food preparation surfaces or food utensils. Remove or cover all foodstuffs before application. Wash all food contact surfaces thoroughly before re-introducing any foodstuffs. Do not use in areas where meat products are processed, packed or stored. Do not use where food packaging materials (cartons, liners etc) are stored or assembled. Do not use near air vents or ducts in food stores or processing plants while they are in operation.

Registered pursuant to the ACVM Act 1997, No. P8666
See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSNCO Act 1996, Approval Code HSR000293
See www.epa.govt.nz for approval conditions.

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 or 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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Proper Shipping Name	Class	UN No.	Hazchem	PG
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-cypermethrin 10%)	9	3082	2X	III