

WARNING - Combustible liquid
HARMFUL - Keep out of reach of children
ECOTOXIC
ORGANOPHOSPHATE INSECTICIDE



Nufarm

Attack[®]

INSECTICIDE



Active Ingredient: 475g/litre pirimiphos-methyl and 25g/litre permethrin in the form of an emulsifiable concentrate.

A broad spectrum insecticide for use on avocados, citrus, flowers and ornamentals, glasshouse tomatoes and cucurbits, grapes, persimmons, vegetable and fodder brassicas and fodder beet.

Net: 20 litres

07-16/PS/A03305-20LNZ1.2



Grow a better tomorrow.

DIRECTIONS FOR USE:

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

Attack may be applied through all conventional ground and aerial spray equipment, calibrated to ensure thorough coverage of the crop. It is recommended that vegetation growing on the crop perimeter be inspected regularly and if necessary treated to reduce the risk of crop infestation.

When high volume spraying with a knapsack use 10ml Attack per 10L water.

Note: Do not apply this product indoors with high pressure handgun spray equipment.

For motorised knapsack application (concentrate spraying) use 30ml Attack per 10L water.

Note: Attack may affect mite predators. Should mite numbers increase following the use of Attack switch to an alternative insecticide. Attack should not be sprayed onto mite susceptible shelter species.

Crop	Pests	Rate of Application	Time of Application
Avocados	Leafroller, mealy bug, greedy scale	100ml per 100L water.	Apply pre-blossom and again immediately post-blossom, then at 4-6 weekly intervals.
Citrus	Leafroller, mealy bug, scale crawlers, aphids	100ml per 100L water.	Apply pre-blossom and then at 4-6 weekly intervals. Additional wetting agent is NOT required.
Flowers and ornamentals	Mealy bug, whitefly, aphids, caterpillars	100ml per 100L water or 1L/ha. For aerial spraying apply a minimum of 200L water/ha.	Apply as required – approximately every 3-4 weeks during the growing season. Attack may cause slight injury to the new soft growth of sensitive roses and ornamental plants.
Glasshouse tomatoes and cucurbits	Whitefly, aphids, caterpillars	100ml per 100L water.	Apply as required – approximately every 2-3 weeks.
Grapes	Leafroller, mealy bug	100ml per 100L water (minimum of 1.5L Attack/ha)	Apply from bud movement. Use no more than two sprays after capfall. Do not apply during the blossom period.
Persimmons	Leafroller, mealy bug, greedy scale, Latania scale	100ml per 100L water (minimum of 2L Attack/ha)	Apply pre-blossom and again immediately post-blossom, then at 2-3 weekly intervals.
Fodder brassicas	Springtails White butterfly, leaf miner, nysius, Argentine stem weevil Diamondback moth, aphids	100ml - 200ml/ha 500ml - 1L/ha 750ml – 1L/ha	Apply as soon as damage becomes evident. Apply when insects first appear then every 2-3 weeks or as necessary. Use the low rate on young crops and the higher rate when the crop has reached canopy closure. Use 100-300L water/ha for ground applications. Use the high rate from canopy closure onwards. Apply at least 100L water for aerial applications. The use of a non-ionic wetting agent such as Contact Xcel is recommended to improve coverage, but should not be used when tank mixing with herbicides and crop oils.
Vegetable brassicas	White butterfly and diamondback moth, caterpillars, aphids, leaf miner, nysius	1L/ha in a minimum of 700L water/ha.	Apply when insects first appear then every 2-3 weeks.
Fodder beet	Springtails Leaf miner, nysius, aphids, Argentine stem weevil	100ml - 200ml/ha 500ml – 1L/ha	Apply as soon as damage becomes evident. Use the low rate on young crops and the higher rate when the crop has reached canopy closure. Use 100 – 300L water/ha for ground applications. Use the high rate from canopy closure onwards. Apply at least 100L of water for aerial applications. The use of a non-ionic wetting agent such as Contact Xcel is recommended to improve coverage.

Note: Attack may be applied at a maximum rate of 3L/ha, with a maximum application frequency of 4 times per crop cycle.

HAZARD CLASSIFICATION

3.1D, 6.1E, 6.3A, 6.4A, 6.5A, 6.5B, 6.8B, 6.9A, 9.1A, 9.2D, 9.3A, 9.4A

APPROVED HANDLER

This product must only be applied by an approved handler or under the direct supervision of an approved handler.

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

- Toxic –may cause respiratory sensitisation, or sensitisation from prolonged skin contact. May cause damage to the nervous and blood systems from repeated oral exposure at high doses.
- Harmful – may be harmful if swallowed, inhaled or absorbed through the skin. May cause eye irritation, or mild skin irritation. May cause reproductive / development damage from repeated oral exposure.

ECOTOXIC

- Very toxic to fish with long lasting effects. Avoid contamination of any water supply with product or empty container.
- Harmful to the soil environment.
- Very toxic to terrestrial vertebrates and invertebrates.
- Very toxic to bees. Do not apply this product to any plant or tree likely to be visited by bees either: at the time of application; immediately after application until spray has dried; or in areas where bees are foraging.

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, and foodstuffs. Storage must be 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 of Attack require secondary containment and signage, and more than 100 litres require emergency response plans.
- Stores containing 500 litres must have at least 2 fire extinguishers.

PERSONAL PROTECTION

- Avoid skin and eye contact and inhalation of spray mist. When mixing or applying wear full protective clothing such as a PVC spray suit or leggings, elbow length PVC gloves, chemical resistant boots with socks, eye protection, waterproof headgear and a NIOSH approved respirator with combination filter for vapour/particles. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work.

EQUIPMENT

- Apply using accurately calibrated and well maintained equipment. Clean equipment thoroughly after use.

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. If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

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

Transport: Do not carry this product on a passenger service vehicle.

Record Keeping: Records of use as described in NZS 8409 Management of Agrichemicals must be kept.

Resistance Management: Attack contains a **GROUP 1 INSECTICIDE** (pirimiphos methyl) belonging to the Organophosphate class of chemistry and a **GROUP 5 INSECTICIDE** (permethrin) belonging to the pyrethroid class of chemistry. Resistance to these insecticides could develop from excessive use. To minimise this risk use strictly in accordance with label instructions and resistance management strategies (www.resistance.nzpps.org/) that exist for any insect listed on this label.

Mixing and Compatibility: Attack mixes readily with water and is compatible with commonly used fungicides except strongly alkaline materials such as Bordeaux mixture and lime sulphur. Pout the measured quantity of Attack into a partly filled tank and agitate the spray mixture while adding the remaining water. Maintain agitation during spraying.

Do not use Attack and copper product mixes on glasshouse crops. On fodder brassicas Attack is compatible with Prestige[®], Bonza[®], Sequence[®] and Tordon[®] Max. Temporary leaf scorch may occur, especially during hot dry conditions or when plants are under stress.

Spray Drift: The person applying the substance must not cause adverse effects beyond the boundary of the treated property and must also avoid adverse effects from occurring. Mitigation measures employed must be recorded as part of the application records.

Restricted Entry Interval (REI): 12 hours

The person in charge is responsible for making sure no person enters the application area before the end of the REI. For indoor areas, if tasks relating to the ventilation of the building or building structure are necessary before the REI, a person may enter if the Personal Protective Equipment (PPE) and Respiratory Protective Equipment (RPE) required for application is worn.

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.

It is an offence to use this product on animals.

Withholding Periods:

Avocados: 14 days, Citrus: 14 days, Glasshouse tomatoes and cucurbits: 3 days, Grapes: 28 days, Persimmons: 7 days, Vegetable brassicas: 3 days, Fodder brassicas and fodder beet: 7 days – sheep and deer should be withheld from slaughter for 7 days if fed crops treated within 7-14 days.

For withholding periods applicable to export crops, please refer to the relevant export spray programme.

Notification (outdoor application only):

A person applying Attack in a wide dispersive manner must give written notice to anyone likely to be directly affected (i.e. occupiers of land, property, buildings or houses immediately next to the application area). Notification must be given at least 2 working days and no more than four weeks before each application. Written notice must include: location of application area, date and duration of each application, steps to be taken to avoid exposure, name or organisation applying the product and contact details for the person in charge of the application including phone number for immediate contact during application.

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.

Registered pursuant to the ACVM Act 1997, No. P2912. See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSNV Act 1996, Approval Code HSR100602 See www.epa.govt.nz for approval controls.

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™ Contact is a trademark of Nufarm Limited

® Prestige is a registered trademark of Nufarm Limited

©Sequence and Bonza are registered trademarks of Nufarm Australia Limited

® Tordon is a trademark of Dow AgroSciences.

Marketed by:

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Nufarm emergency phone/in: 0800 651 911 toll free 24 hours.

Proper Shipping Name	Hazard Class	UN No.	Hazchem	Packing Group
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (pirimiphos-methyl 47.5%, permethrin 2.5%)	9	3082	2Z	III

Batch No.:

D.O.M.:

07-16/PS/A03305-20LNZ22