

**DANGER**  
**ORGANOPHOSPHATE INSECTICIDE**

**Keep out of reach of children**

**Read label before use**



**Nufarm**

***Attack***®

**INSECTICIDE**

**SCAN ME**



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 forage brassicas and fodder beet.**

**FREE RECYCLING**



**AGRECOVERY**

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

 **Nufarm**

Grow a better tomorrow

**GHS CLASSIFICATION**

Flammable liquid Category 4, Aspiration hazard Category 1, Skin irritation Category 2, Eye irritation Category 2, Respiratory sensitisation Category 1, Skin sensitisation Category 1, Reproductive toxicity Category 2, 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,

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

**WARNING**

- Combustible liquid. Keep away from open flames and hot surfaces. In case of fire: Use water fog, foam, carbon dioxide or dry chemical for extinction. Do not use water in a jet.
- May be harmful if swallowed or in contact with skin. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Causes skin and eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Causes damage to the nervous system through prolonged or repeated exposure
- Very toxic to aquatic life with long lasting effects. Avoid contamination of any water supply with chemical or empty container. 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 directly onto or into water.
- Harmful to the soil environment.
- Very toxic to terrestrial vertebrates and terrestrial 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**

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

Qualifications: The person mixing or applying this product must be a "Qualified Contractor" or a "Qualified Person".

The spray mixture may also be prepared by a "Qualified Loader".

**STORAGE**

- Do not store near heat or flame. Store in a well-ventilated place, in original container, tightly closed and in a locked, dry, area away from sources of ignition, and foodstuffs. Keep cool. 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. Do not breathe fumes, mist, vapours or spray. 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 after handling. 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 medical advice is needed, have the product container or label at hand.

**IF SWALLOWED:** Do NOT induce vomiting. Rinse mouth. Immediately call the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.

**IF INHALED:** Remove to fresh air and keep at rest in a position comfortable for breathing and call a doctor. **IF ON SKIN:** Immediately remove all contaminated clothing. Wash skin with plenty of soap and water. If skin irritation occurs or you feel unwell, call a doctor. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention. If you feel unwell, exposed or concerned get medical advice. Wash contaminated clothing before reuse.

**Spillage:** Collect 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 3 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/](http://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. Pour 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

**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.
Forage brassicas	Springtails	100ml - 200ml/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.
	White butterfly , leaf miner, nysius, Argentine stem weevil	500ml – 1L/ha	
	Diamondback moth, aphids	750ml – 1L/ha	
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	100ml - 200ml/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.
	Leaf miner, nysius, aphids, Argentine stem weevil	500ml – 1L/ha	

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

**Restricted Entry Interval (REI):**

- Citrus 2 days
- Vegetable brassicas 14 days
- Flowers 16 days
- Grapes 25 days
- Tomatoes, cucurbits 48 hrs
- Persimmons 16 days
- Kiwifruit 10 days
- All other crops until dry

The person in charge is responsible for making sure no person enters the application area before the end of the REI. If entering an application area during the REI, ensure appropriate Personal Protective Equipment (PPE) is worn. 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
Forage 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 (ie. 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.

Registered pursuant to the ACVM Act 1997, No. P2912

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

Approved pursuant to the HSNO Act 1996, Approval Code HSR100602

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

®Attack is a registered trademark of Nufarm Technologies USA Pty Ltd.

™ 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 Agrosiences

**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.



UN 3082  
ENVIRONMENTALLY  
HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S (pirimiphos methyl,  
permethrin)  
Class 9, PG III, Marine Pollutant

Marketed by:  
Nufarm Limited,  
Central Park  
Building 3, Level 4,  
666 Great South Road  
Ellerslie  
Auckland 1051

Telephone 0-9-270-4157  
[www.nufarm.co.nz](http://www.nufarm.co.nz)

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