

ECOTOXIC • CORROSIVE HARMFUL

KEEP OUT OF REACH OF CHILDREN

Nufarm

TORPEDO

Active Ingredient: Contains 50g/kg emamectin benzoate in the form of a water soluble granule.

Non-systemic insecticide for the control of leafrollers on avocados, grapes, kiwifruit and pipfruit.

Net: 120g



05-17/PS/03800-120GNZ1.2



Grow a better tomorrow.

Personal Protection:

- Avoid contact with skin or eyes and inhalation of spray mist.
- When handling wear eye protection, waterproof hat, impervious gloves, boots, coat and trousers. 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 use.

Equipment:

- Apply using well maintained and accurately calibrated spray 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.

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 skin irritation occurs get medical advice. If in eyes, wash out with running water for several minutes. If eye irritation persists get medical advice. If inhaled move to fresh air immediately. Seek medical advice if feeling unwell.

Spillage: Wear appropriate protective clothing and prevent material from entering waterways. Sweep up solids without generating dust. Contain liquid spills and absorb with inert material. Dispose of waste safely in an approved landfill.

Transport: Do not carry more than 2.0 kg of Torpedo on a passenger service vehicle.

Record Keeping: Records of use, as described in NZS 8409 Management of Agrichemicals, must be kept whenever Torpedo is used.

Resistance Management:

Torpedo is a **GROUP 6 INSECTICIDE** which belongs to avermectin class of insecticides. Resistance to Torpedo and related insecticides could develop from excessive use. To minimise this risk use strictly in accordance with label instructions. Consult www.resistance.nzpps.org/ for alternative modes of action and the details of resistance management strategies (if any).

Mixing: Half full the spray tank with water. If the agitators running add the required quantity of Torpedo to the spray tank and top up with water. Maintain agitation until spraying is completed.

Compatibility: Torpedo is compatible with most of the commonly used fungicides and some foliar fertilisers and nutrient products. Care should be taken with mixtures with more than one chemical. As formulations of other manufacturer's are beyond the control of Nufarm all mixtures should be tested prior to use.

GENERAL INFORMATION: Torpedo is a non-systemic insecticide with translaminar activity, therefore thorough coverage is essential. After application Torpedo quickly moves into young leaves from where it is taken up the feeding leafrollers. Torpedo takes about 4 days to achieve maximum control.

Integrated Pest Management: Torpedo is compatible with IPM programmes using the predator mites *Typhlodromus pyri*, *Phytoseiulus persimilis* and *T. occidentalis*.

It is an offence to use this product on animals.

DIRECTIONS FOR USE: The rates recommended are for high volume spraying to thoroughly wet the crop without run-off. For concentrate spraying adjust dilution rate accordingly. The maximum application rate is 100g Torpedo/ha. Application is limited to ground based methods only.

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.

Withholding Periods: Avocados: 3 days.

Grapes: Do not apply after bunch closure.

Kiwifruit: 42 days. Piplfruit: 3 days

For export crop contact your exporter or industry crop adviser

HAZARD CLASSIFICATION	
6.1D, 6.3B, 6.8B, 6.9B, 8.3A, 9.1A, 9.3B, 9.4A	
APPROVED HANDLER	
This product must be under the personal control of an approved handler or secured.	
HARMFUL	
• Toxic - may be fatal if swallowed, inhaled or absorbed through the skin. May cause organ damage from repeated oral exposure at high doses.	
CORROSIVE	
• This product is corrosive and may cause eye damage.	
ECOTOXIC	
Very toxic to aquatic organisms with long-lasting effects. High risk of toxic effects in estuarine environments. Avoid contamination of any water supply with product or empty container. Direct contamination or spray drift to any aquatic environment must be strictly avoided.	
• Toxic to terrestrial vertebrates.	
• Very toxic to terrestrial invertebrates. Toxic to bees. Spray must not contact plants in flower if bees are actively foraging.	
• This product must not be applied onto or into water.	
HANDLING PRECAUTIONS	
Storage:	
• Store in original container tightly closed in a locked, dry, cool area away from foodstuffs, seeds and fertilizers. Storage must be in accordance with NZS 8409 Management of Agrichemicals.	
• Stores containing 100kg of Torpedo require signage and more than 100kg require emergency response plans.	

Crop	Pest	Rate	Critical Comments
Apples, Pears	Leafrollers	2g/100 litres plus a non-ionic wetting agent at label rates as a dilute application. Apply in sufficient water to ensure 40g of Torpedo/ha on mature trees.	Ensure thorough coverage. Apply Torpedo during the pre-harvest period for late season control of leafrollers. Apply a maximum of three sprays at 14 days intervals or when the pest threshold is reached.
Avocados	Leafrollers	4g/100 litres plus a non-ionic wetting agent at label rates as a dilute application	Ensure thorough coverage. Apply a maximum of six sprays at 21 day intervals or when the pest threshold is reached.
Grapes	Leafrollers	4g/100 litres plus a non-ionic wetting agent at label rates. Apply in sufficient water to ensure 40 g of Torpedo/ha is applied.	Ensure thorough coverage. Apply no more than two applications of Torpedo per season. Torpedo can be applied at any time from post flowering to pre bunch closure. For optimal control of leafrollers apply soon after egg laying when larvae are small in size and before they become webbed into the bunches. Eggs laid on new growth after application may not be controlled.
Kiwifruit	Leafrollers	2g/100 litres plus a non-ionic surfactant at label rates as a dilute application. Apply in sufficient water (approx. 2000 litres water/ha) to ensure not less than 40g of Torpedo/ha on a full crop canopy.	Ensure thorough coverage. Apply Torpedo at fruit set followed by 2 further applications at 21 day intervals. Alternatively apply the first Torpedo at fruit set with further applications if crop monitoring shows the need. Apply no more than three applications of Torpedo per season.

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.

Registered pursuant to the ACVM Act 1997, No P9343. See www.foodsafety.govt.nz/ for registration conditions.

Approved pursuant to the HSN0 Act 1996, Approval Code HSR101150. See www.epa.govt.nz/ for approval controls.

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PROPER SHIPPING NAME	HAZARD CLASS	UN NO.	HAZCHEM	PACKING GROUP
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Emamectin Benzoate 5%)	9	3077	2Z	III

Batch No:

D.O.M.:

Nufarm Emergency Phonenumber: 0800 651 911 toll free 24 hours

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