

WARNING
KEEP OUT OF REACH OF CHILDREN

ASSAIL®

INSECTICIDE

**For the control of a wide range of insects in
kiwifruit, vegetable brassicas, tomatoes,
kabocha and pumpkins.**

Active Ingredient: 100g/litre bifenthrin in the form of an emulsifiable concentrate.
Also contains 827 g/litre hydrocarbon liquids.

GROUP

3

INSECTICIDE

Registered pursuant to the ACVM Act 1997, No. P009642.
See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSNO Act 1996. Approval Code HSR000277.



AGRECOVERY
Rural Recycling Programme

NET
CONTENTS:

5

LITRES

Registered to: ETEC Crop Solutions Limited
an Arysta LifeScience Group company
PO Box 51584, Pakuranga,
Auckland New Zealand.
Phone: 0800 100 325
www.arystalifescience.nz



Approved Handler Applies

This product must be under the personal control of an approved handler or secured.



HSNO Class: 3.1D, 6.1D, 6.3B, 6.5B, 6.9A, 9.1A, 9.2C, 9.3B, 9.4A

Combustible liquid.

Harmful if swallowed.

May cause skin irritation.

May cause an allergic skin reaction.

May cause damage to the nervous system from repeated oral exposure at high doses.

Very toxic to aquatic life.

Harmful to the soil environment.

Toxic to terrestrial vertebrates.

Very toxic to invertebrates.

PRECAUTIONS

Keep away from sources of ignition.

When mixing or applying, avoid contact with skin and eyes.

Wear protective clothing, gloves and goggles.

DO NOT eat or drink while using.

Wash hands and face before meals and after work.

Wash protective clothing after work.

DO NOT apply to bodies of water.

DO NOT contaminate sewers, drains, dams, creeks or any other waterways with product or empty container.

TOXIC TO BEES - spray must not contact plants in flower if they are likely to be visited by bees except in the evening when bees have stopped working.

CONTAINER DISPOSAL: Triple rinse container and add residue to spray tank. Submit clean empty container for recycling through Agrecovery. If this is not possible bury in landfill.

STORAGE: Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs. When stored appropriately this product should show no significant degradation for 2 years. Contact your supplier for further information about the use of any product that is older than this.

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. DO NOT SCRUB THE SKIN. If concentrate is splashed in the eyes, flush with running water for at least 15 minutes. Take to hospital without delay.

PRODUCT INFORMATION: **ASSAIL**® is a synthetic pyrethroid insecticide/miticide with a broad spectrum of activity controlling a wide range of chewing and sucking insects on kiwifruit, tomatoes, Kabocha, pumpkins and vegetable brassicas. **ASSAIL** kills pests through both contact and ingestion. **ASSAIL** is not systemic so thorough coverage is essential.

DIRECTIONS FOR USE

Mixing: Pour the required quantity into the partly filled spray tank with agitation running, and complete filling of the tank.

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

It is an offence to use this product on animals.

WITHHOLDING PERIODS:

Kiwifruit - do not spray after first female flowers open. Do not allow animals to graze in treated areas.

Field tomatoes - 3 days; Kabocha and pumpkins - do not apply after flowering Vegetable brassicas - 3 days.

IMPORTANT - RESISTANCE MANAGEMENT:

ASSAIL is a Group 3 Insecticide. Resistance to bifenthrin and related synthetic pyrethroid products may develop from excess use. To minimise this risk use strictly in accordance with label instructions. Diamond back moth caterpillars - avoid using this insecticide exclusively all season and avoid unnecessary spraying. Maintain good cultural practices.

Tomato fruitworm - Do not apply before the 7th of January and avoid unnecessary spraying. Maintain good cultural practices.

Aphids - If necessary to spray twice for aphids, use an insecticide with a different mode of action. Do not use a synthetic pyrethroid. If Tomato fruitworm is present in a squash crop prior to 7th January, do not spray **ASSAIL** in line with the tomato fruitworm strategy above.

COMPATIBILITY:

Compatible with most commonly used fungicides and insecticides. Do not mix with copper sprays, lime sulphur or hydrogen cyanimide.

EXCLUSION OF LIABILITY: PLEASE READ

To the extent permitted by law, buyers and/or users of the goods accept that neither the manufacturer, Etec Crop Solutions Limited as distributor, nor any other distributor have any liability or responsibility whatsoever for any loss, damage or injury whether in contract or tort, whether direct, indirect or consequential howsoever arising in connection with the supply of these goods.

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24 Hour Emergency**Response**

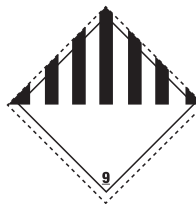
0800 CHEM CALL

0800 236 2255

BATCH NO

DOM

AR198/5L



Add a non-ionic wetting agent to improve wetting of the leaf surface if necessary.

APPLICATION: Apply in sufficient water to obtain complete coverage. For horticultural crops, the rates are for high volume spraying to run-off. For concentrate spraying adjust dilution rate accordingly. Use the high rate under high insect pressure and when spraying on a 10 -14 day schedule. Alternatively, use crop monitoring to determine when to spray for appropriate crops.

CROP	PEST	RATE	REMARKS
Field Tomatoes	Tomato fruitworm Aphids	250-500ml/ha	Apply one application after 7th January when second generation of tomato fruitworms are present. Use non-synthetic pyrethroid products prior to January 7th to control first generation tomato fruitworms. See resistance management statement below.
Kabocha and Pumpkins	Aphids	200-400ml/ha	Make a single application pre-blossom. See resistance management statement below.
Vegetable brassicas	Diamond back moth and white butterfly caterpillars	250-500ml/ha	Apply from emergence in alternation with a non-synthetic pyrethroid product. Add a non-ionic surfactant. See resistance management statement below.
Kiwifruit	Armoured scales - Dormant	For concentrate sprays: use 600 ml/ha For dilute sprays: use 40ml /100 litres water (min. 600 ml/ha)	Timing; Apply at late dormant stage. For concentrate spraying apply in 600 to 1000 litres of water and add Du-Wett at 500ml/Ha. For dilute spraying apply in 1000 to 1500 litres of water.
	Armoured scales Leafrollers Just before flowering	For concentrate sprays: use 500 ml/ha For dilute sprays: use 20ml/100 litres (min. of 500 ml/ha)	Timing; Apply just before male vines begin to flower. For concentrate spraying apply 600 to 1000 litres of water/ha and add Du-Wett at 350ml/ha. For dilute sprays apply 1500 to 2500 litres of water/ha. NOTE: Best armoured scale control with ASSAIL requires sprays at both timings.
Kiwifruit Airblast sprayer	Cicada &/or Passion-vine hopper eggs	1.0L ASSAIL + 1.0L Engulf® in 1000L of water/ha OR 1.0L ASSAIL + 1.2L Engulf® in 600 – 800L of water/ha	Cicada eggs only, or eggs of both cicadas and PVH: Apply after harvest as soon as good coverage of canes is possible but before mid July and before winter pruning. Canes are the key target. PVH eggs only: Spray can be applied throughout the dormant period, but to control PVH eggs target all soft wood in the orchard, including the wood of structures. ASSAIL plus Engulf may be applied up to 3 days before or after a spray of copper or of a bud breaking product.
Orchard surrounds	Cicada &/or Passion-vine hopper eggs	100 ml ASSAIL plus 100 ml Engulf / 100 litres of spray mix	When the surrounds contain significant sources of cicadas or PVH, such areas may be sprayed using suitable directed equipment to get good coverage, e.g. hand guns. Make application at the same time that the Orchard is being treated. Follow all recommendations on the Engulf™ label. Mahoe, Blackberry, Wildberry and Bracken Fern are favoured host plants for Passion Vine Hopper.