



INSECTICIDE

Abba[®]

For the control of Mites on Avocados, indoor Tomatoes, Pipfruit, Strawberries, and for the control of Leafrollers on Kiwifruit and Tomato-Potato Psyllid on Potatoes

Contains 18 g/L abamectin in the form of an emulsifiable concentrate

DANGER // TOXIC // COMBUSTIBLE LIQUID // ECOTOXIC

Keep out of the reach of children

Net Contents **5 L**

GROUP

6

INSECTICIDE



agrisource.co.nz



FIRST AID

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: Rinse Mouth. DO NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. 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 advice/attention. Continue rinsing. IF ON SKIN: Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. If exposed or concerned or if you feel unwell: Get medical advice/attention. For advice, contact the National Poisons Centre 0800 Poisons (0800 764 765) or a doctor immediately. If medical advice is needed, have product container or label at hand.

EMERGENCY RESPONSE

In case of fire, use carbon dioxide, powder or foam. Contain spillage. Do not allow product to enter waterways. In a transport emergency call 111, Police or Fire Brigade.

GENERAL INFORMATION

Abba is a non-systemic miticide for use in a range of crops. **Abba** is effective only on the feeding stages of mite and has no effect on the eggs. Absorption is via the leaf, best results are obtained when applied to young, actively growing plant tissue. Thorough coverage and penetration of foliage is essential. Absorption is greatly reduced on older leaves.

Abba must not be applied onto or into water.

It is an offence to use this product on animals.

RESISTANCE PREVENTION OR MANAGEMENT

Abba contains the **GROUP 6 INSECTICIDE** abamectin. Resistance to pesticides can develop from excessive use. To minimise this risk, avoid using this insecticide exclusively all season, avoid unnecessary spraying and endeavour to alternate with insecticides from other groups within the crop and in subsequent seasons for a sprayed paddock. Use strictly in accordance with label instructions. Maintain good cultural practices.

MIXING

Half fill spray tank with water, with agitation running, add the required amount of **Abba**, top up with water and agitate thoroughly before use. When tank mixing oils, add oil once **Abba** is thoroughly mixed.

COMPATIBILITY

Abba is compatible with most commonly used agrichemicals. Caution should be taken when using a non-ionic surfactant or spraying oil in a tank mix. Damage may occur, particularly to sensitive varieties of apples and pears.

RAINFALL

Do not apply if rain is expected before spray can fully dry on leaf surface.

APPLICATION PARAMETERS

Buffer Zones (see also EPA Controls doc).

The person in charge of the application of this substance and any person applying this substance must ensure that the substance is not applied within a specified distance of a downwind waterbody.

The following buffer zones apply, according to the relevant application method and application rate:

- Airblast ≤ 0.5 L/ha (≤ 9 g of abamectin per ha) = 30 m
- Airblast 0.5 to 0.63 L/ha (> 9 to 11.25 g of abamectin per ha) = 40 m
- Airblast > 0.63 to 1.0 L/ha (> 11.25 to 18 g of abamectin per ha) = 70 m
- Airblast > 1.0 to 1.5 L/ha (> 18 to 27 g of abamectin per ha) = 110 m
- High Boom ≤ 0.6 L/ha (≤ 10.8 g of abamectin per ha) = 20 m
- High Boom > 0.6 L/ha to 1.0 L/ha (> 10.8 to 18g of abamectin per ha) = 60 m

No person may apply this substance using aerial application methods.

A person applying this substance must ensure that the substance spray is delivered as a coarse quality spray (or coarser).

Abba must not be applied at rates exceeding 1.5 L of formulated product/ha per application (equivalent to 27 g abamectin/ha). **Abba** must not be applied to the same area more than four times per calendar year.

An interval of at least seven full days must be observed before **Abba** is reapplied to the same area. The following rates expressed are for high volume spraying to point of run-off. For concentrated spraying, adjust dilution rate accordingly.

CROP SAFETY

DO NOT use any 'All purpose spraying oil' 21 days before or after a Captan application. Instead use a non-ionic surfactant. DO NOT make applications with a non-ionic surfactant or any spraying oil under hot conditions, poor or slow drying conditions or with equipment which leaves large droplets on the fruit.

CAUTION

Take care when using **Abba** and a non-ionic surfactant, or any 'All purpose spraying oil' on sensitive varieties of apples and pears. Damage may occur.

APPLICATION RATES

Apples and Pears: Two Spotted Mite & European Red Mite Control

37.5 mL of **Abba** in 100 L of water plus non-ionic surfactant at label rates or 500 mL per 100 L of water 'All purpose spraying oil'. Do NOT exceed a total dose of 1.5 L/ha of **Abba** or 10 L/ha 'All purpose spraying oil'. Make only one application per season, between petal fall and mid December.

Avocados: Six spotted mite control

37.5 mL of **Abba** in 100 L of water plus non-ionic surfactant at label rates or 500 mL per 100 L of water 'All purpose spraying oil'. Apply in early spring at the first appearance of mites, and then again 14 – 28 days later. Make no more than 3 applications per season.

Indoor Tomatoes: Two Spotted Mite and Tomato Russet Mite Control

60 – 90 mL of **Abba** in 100 L of water. Use a minimum of 500 L of water per ha and use the highest rate under high mitre pressure or when Tomato Russet Mite is the main pest. Apply at first appearance of mite, and then again 7 – 10 days later. Make no more than 3 applications per season.

Kiwifruit: Leafrollers Control

25 mL of **Abba** in 100 L of water plus non-ionic surfactant at label rates. Use a minimum rate of 500 mL/ha of **Abba**. Spray to the point of run-off (approximately 2000 L/ha). First apply immediately after flowering, followed by 2 further applications, 14 days apart. Further applications if needed should be made at 5 week intervals. Do NOT tank mix or apply with any foliar nutrients.

Potatoes: Tomato-Potato Psyllid Control

600 mL of **Abba** per/ha plus a non-ionic surfactant. Apply at first appearance, ensuring complete crop coverage and penetration into the crop. Apply at 7 day intervals, as part of a pest control strategy. Make no more than 4 applications per season.

Strawberries: Two Spotted Mite control

100 mL of **Abba** in 100 L of water. Use a minimum of 600 mL of **Abba** per ha. Apply at first appearance of mites, once numbers exceed 3 - 5 mites per leaf, and then again 7 - 10 days later. Make no more than 3 applications per season.

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.....	14 days
Apples and Pears.....	14 days
Kiwifruit.....	120 days
Strawberries.....	3 days
Tomatoes.....	3 days
Potatoes.....	14 days
Export Crops.....	contact your exporter or industry crop adviser

CONDITIONS OF SUPPLY

All goods supplied by us are produced under rigid quality control procedures which assure the purchaser that at the time of sale they are physically suitable for use in the manner stated. However, to the extent permitted by law, buyers and/or users of the goods accept that neither the manufacturer, Agri Solutions Ltd as registrant, 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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ACVM Registration No. P008448

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HSNO Approval No. HSR101144

See www.epa.govt.nz for approval conditions

REGISTRANT

Agri Solutions Ltd
45 Kitchener Road,
Pukekohe 2120

DISTRIBUTOR

Agrisource (2000) Limited
45 Kitchener Road, Pukekohe 2120
09 237 0422 - www.agrisource.co.nz

BATCH NO:

DATE OF
MANUFACTURE:

READ LABEL COMPLETELY BEFORE USE



DANGER

Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May damage fertility or the unborn child. May cause harm to breast-fed children. May cause damage to organs through prolonged or repeated exposure.

COMBUSTIBLE LIQUID

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

ECOTOXICITY

Very toxic to aquatic organisms with long lasting effects. Avoid contamination of any water supply with product or empty container. Do not apply onto or into water. Collect spillage. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Hazardous to soil organisms, terrestrial vertebrates and terrestrial invertebrates. Very toxic to bees – Spray must not contact plants in flower if they are likely to be visited by bees. Take all reasonable steps to ensure non-target terrestrial vertebrates are not adversely affected by the substance.

PCBU RESPONSIBILITIES

A PCBU with management and control of the place to which this product is being used, handled, manufactured, stored or applied must ensure that every worker who handles it, is provided with adequate information, training and instruction. This includes provision and training in the use of any personal protective equipment to be used.

RECORD KEEPING

Where 3 kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept of each application of the substance. Refer to Part 4 Clause 48 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for details of information that must be recorded.

QUALIFICATIONS REQUIRED FOR APPLICATION OF CLASS 9 SUBSTANCES

Anyone who mixes, loads, or applies this product, either by air or ground based methods, is required to be suitably qualified. Refer to Schedule 10 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for a list of suitable qualifications.

HANDLING PRECAUTIONS - FOR WORKPLACE USE ONLY

Personal Protection: Read label carefully and follow all instructions. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not eat, drink or smoke when using this product. Avoid contact during pregnancy and while nursing. Do not breathe fumes, mist, vapours or spray. When mixing or applying, avoid contact with skin and eyes. Wear full protective clothing, impervious gloves, goggles and respirator. Any person who mixes and/or loads this substance must wear gloves that are not permeable to 2-Pyrrolidinone, 1-methyl- (e.g. made of layered polyethylene/ethane-vinyl alcohol or butyl). Do not eat or drink while using. Wash hands and face before meals and after work. Wash protective clothing after work.

REI: If used on **Apples or Pears**: DO NOT allow entry into treated areas within 4 days of application unless wearing personal protective equipment as prescribed in the personal protection section of this label.

Equipment: Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409). Flush spray equipment thoroughly with water after use.

Storage: Store in original container tightly closed and in a locked, dry, cool, well-ventilated area away from fertilisers, feed, seeds, and foodstuffs. Keep out of reach of children. Store in accordance with NZ 8409 Management of Agrichemicals. Secondary containment and emergency response plans are required where 100 Litres or more of **Abba** are stored. Refer to the product SDS for further information.

Shelf Life: When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

Spillage: Extinguish any ignition sources. Move non-essential people from the area. Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Sweep up solids without creating dust. Wash area with water and absorb with further inert material. Dispose of waste safely (such as to a suitable landfill).

Product Disposal: Dispose of unwanted product is by use by another operator strictly in accordance with label directions or through an approved facility.

Container Disposal: Triple rinse container and add rinsate to spray tank. Dispose of cleaned container at your local AGRECOVERY container collection site.

Safety Data Sheet: Additional information is provided in the SDS available from your supplier, or www.agrsource.co.nz

24 HOUR EMERGENCY RESPONSE 0800 CHEMCALL (0800 243 622)