

READ THE LABEL BEFORE USE. KEEP OUT OF REACH OF CHILDREN AND ANIMALS. SHAKE THE BOTTLE WELL BEFORE USE.

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

Insecticide



# ABASHIELD 18 EW

Reg. No. L 11679 Act No. 36 of 1947

1:12/03/2025 – March2025

An oil-in-water insecticide for the control of insect pests in the crops as indicated.

## ACTIVE INGREDIENT

abamectin

18 g/l

GROUP

6

INSECTICIDE



**DANGER**



### Hazard Statements:

Harmful if swallowed.

May be fatal if swallowed and enters airways.

Causes serious eye irritation.

Harmful if inhaled.

Suspected of damaging fertility or the unborn child.

Very toxic to aquatic life with long lasting effects.

### Precautionary Statements:

Avoid release into the environment.

Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.

e

**villa**



UN Number: 3082

Registration holder: UNIVERSAL CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1983/008184/07

65 Botes Road, Glen Marais, Kempton Park, 1619

Tel. (011) 396 2233

Website: [www.villacrop.co.za](http://www.villacrop.co.za)

**IN CASE OF POISONING / 24 HR EMERGENCY NUMBERS:**

Griffon Poison Information Centre (National) +27 82 446 8946

Poison Information Helpline (National) +27 861 555 777

24 Hr Transport / Spill emergency no: (Hazcall24) +27 86 044 4411

(Client: Villa Crop Protection)

DIRECTIONS FOR USE ENCLOSED

Batch Number:      Expiry Date:

Date of Manufacture:

**AbaShield 18 EW**

Reg. No. L 11679 Act No. 36 of 1947  
 IRAC INSECTICIDE GROUP CODE: 6

**ACTIVE INGREDIENT:**

abamectin .....18 g/ℓ

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**WARNINGS****Withholding periods:**

Allow the following number of days between last treatment and harvest or use as food or feed:	
Citrus	3 days
Potatoes	14 days
Strawberries	3 days
Tomatoes	3 days

**IMPORTANT: THE RECOMMENDED WITHHOLDING PERIOD BETWEEN LAST APPLICATION AND HARVEST MEETS LOCAL RESIDUE REQUIREMENTS BUT MAY NOT MEET EXPORT REQUIREMENTS. IF THE TREATED CROP IS INTENDED FOR EXPORT, CONSULT THE RELEVANT EXPORTING ORGANISATION REGARDING MRL REQUIREMENTS AND WITHHOLDING PERIODS. WHEN THIS PRODUCT IS APPLIED ACCORDING TO THE LABEL RECOMMENDATIONS INDICATED BELOW, THE LOCAL MRL WILL NOT BE EXCEEDED. UNIVERSAL CROP PROTECTION (PTY) LTD CANNOT, HOWEVER, BE HELD LIABLE FOR EXPORT CROPS EXCEEDING THE IMPORT TOLERANCES OF OTHER COUNTRIES.**

**Hazard statements:**

Harmful if swallowed.
May be fatal if swallowed and enters airways
Causes serious eye irritation.
Harmful if inhaled
Suspected of damaging fertility or the unborn child
Very toxic to aquatic life with long lasting effects

- Handle with care.
- Do not graze treated areas.
- Toxic to bees coming in contact with the spray mist. Do not apply when bees are most active. Do not direct spray towards beehives.
- Store under lock and key in a cool place, away from food, feeds, seed and fertilizers.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry** – Do not enter the treated area within 2 days after treatment, unless wearing protective clothing.
- Do not use in situations where the target crop is inter-planted with other crops for which the use of **AbaShield 18 EW** is not registered.
- **In case of poisoning, call a doctor and make this label available to him.**
- **AbaShield 18 EW** has been tested on some of the most important commercial cultivars without any phytotoxic effects. More susceptible cultivars may be released in future which will need to be tested; for this apply **AbaShield 18 EW** to a limited test area before commercial applications are made.

**Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be effective under all conditions. The activity and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the pest against the remedy, as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal, or for lack of performance of the remedy concerned due to failure by the user to follow the label instructions, or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.**

## PRECAUTIONS

### Precautionary statements:

Obtain, read and follow all safety instructions before use.
Avoid breathing fume, mists, vapours, or spray.
Wash hands and face thoroughly after handling. Do not touch eyes.
Do not eat, drink or smoke when using this product.
Use only outdoors in a well-ventilated area.
Avoid release to the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF SWALLOWED: Get emergency medical help immediately.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice.
Rinse mouth.
Do NOT induce vomiting.
If eye irritation persists: get medical help.
Collect spillage.
Store locked up.
Dispose of contents/container to suitable landfill in accordance with local regulations.

- Wash with soap and water after use and accidental skin contact. Also wash contaminated clothing.
- Do not spray during periods of high bee activity.
- Avoid excessive drift – do not apply if the wind velocity exceeds 2 meters per second (7 km per hour).
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean the applicator after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three (3) times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler ([www.croplife.co.za](http://www.croplife.co.za)). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.
- Prevent contamination of food, feeds, drinking water and eating utensils.

## FIRST AID MEASURES

Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. Immediately consult a doctor.

**Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. **Get medical help** if irritation occurs.

**Skin:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Get medical help if irritation occurs.

**Eyes:** Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. **Get medical help if irritation persists.**

**Ingestion:** **Get emergency medical help immediately** or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

Relevant hazardous components	
Abamectin	18 g/l
Break-thru	<50g/l
Solvento 150	<100 g/l
Acetophenone	<100 g/l
Proxel GXL	<5 g/l

**NOTE:** The ingredients listed above contribute to the overall GHS classification, the remaining ingredients do not have to be listed according to the South African Regulations for Hazardous Chemical Agents 2021, Regulation 14(b).

**In case of poisoning, call the following number:** +27 82 446 8946 (Griffon Poison Information Centre) or +27 861 555 777 (Poison Information Helpline).

**In case of a chemical spill call the following 24 Hr Transport / Spill emergency number:** +27 86 044 4411 (Hazcall24 / Client: Villa Crop Protection).

### **RESISTANCE WARNING**

For resistance management, **AbaShield 18 EW** is a group code 6 insecticide. Any insect population may contain individuals naturally resistant to **AbaShield 18 EW** and other group code 6 insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **AbaShield 18 EW** or any other group code 6 insecticide.

#### **To delay insecticide resistance:**

- Avoid the exclusive repeated use of insecticides from the same insecticide group code. Alternate or tank mix with registered products from different insecticide group codes.
- Integrate other control methods (chemical, cultural, biological) into insect control programmes.
- The choice of products to be used during one growing season should take the resistance strategy into consideration.
- Applications should only be made based on scouting results for the pests.
- Do not apply more than 2 sprays per season on citrus.
- Do not apply more than 4 sprays per growing season on strawberries.
- Do not apply more than 5 sprays per growing season on tomatoes or potatoes.

Since the occurrence of resistance cannot be forecast, users are advised to keep treated crops under close observation. If treatment is not effective following the use of **AbaShield 18 EW** as recommended, a resistant insect population may be present. If a resistant insect population is positively identified, consideration should be given to prompt use of an insecticide with a different mode of action for which there is no record of resistance to the relevant pest. For specific information on resistance management, contact the registration holder of this product.

#### **Mode Of Action:**

Abamectin is an insecticide, acaricide and nematocide with contact and stomach action. It has limited plant systemic activity but exhibits translaminar movement. Abamectin acts by stimulating the release of  $\gamma$ -aminobutyric acid, an inhibitory neurotransmitter, thus activating the chloride channels.

### **USE RESTRICTIONS**

- If **AbaShield 18 EW** applications are allowed to dry on the crop, it will be tolerant of wash-off by rain or irrigation.
- Do not apply **AbaShield 18 EW** to any crop or situation not mentioned in this instruction leaflet.
- Only apply **AbaShield 18 EW** using an accurate and safe application technique.
- If **AbaShield 18 EW** is used in a tank mix with other recommended products, consideration should be given to the restrictions of those respective products.
- Do not apply this product in combination or tank mixture with any other product or agricultural remedy which is not specifically listed on this label. Universal Crop Protection (Pty) Ltd accepts no responsibility for any negative effects experienced if the instructions on this label are not adhered to, unless a Villa Crop Protection representative was consulted beforehand.

#### **DIRECTIONS FOR USE: Use only as directed.**

##### **NOTICE TO USER:**

Read the entire label before application. This agricultural remedy is to be used only in accordance with the instructions on the label. It is an offence under the Act to use this agricultural remedy for any purpose in a manner contrary with the directions on the label.

- Use only clean water in the spray mixture.
- Prior to spraying, always ensure that the spray equipment is free of sediment, clean and correctly calibrated.

- **AbaShield 18 EW** is effective for the control of adult and immature stages of spider mites, thrips and American Leafminer.
- Ensure thorough and even spray coverage of the crop.
- **AbaShield 18 EW** is rapidly absorbed into the plant tissue.
- Over-spraying may result in less effective control. This is due to a loss of active material as a result of run-off from the leaf surfaces.
- **AbaShield 18 EW** may be used as a preventative or a corrective treatment in tomatoes for the control of red spider mites.
- **AbaShield 18 EW** has a minimal effect on natural enemies of mites, thrips and American Leafminer.
- **AbaShield 18 EW** is generally slow-acting. Therefore, although mites and leafminers become immobilised soon after exposure, between 3 and 5 days (depending on ambient temperatures) is required to achieve maximum mortality. During this period, feeding and plant damage is minimal.

#### Compatibility:

- The compatibility of **AbaShield 18 EW** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used. As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made.
- **AbaShield 18 EW** must be applied with an approved light mineral spray oil on citrus.
- **AbaShield 18 EW** does not require the addition of surfactants / adjuvants to the spray mixture.
- When **AbaShield 18 EW** is used in conjunction with any other agricultural remedy, all **WARNINGS**, **PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on those particular product labels, must be adhered to.

#### Mixing instructions:

- Measure out the required amount of **AbaShield 18 EW** and pre-mix with at least 10 litres of water.
- Half fill the spray tank with clean water.
- Add the pre-mixed **AbaShield 18 EW** to the spray tank.
- If any other product, such as a light mineral oil, is to be mixed with **AbaShield 18 EW**, the required volume of that product must be pre-mixed in a similar fashion.
- **AbaShield 18 EW** and oil must be premixed with each other before adding to the spray tank.
- Agitate the water in the spray tank and add the premixed product/s to the tank.
- Fill the spray tank with water to the required level while maintaining agitation to ensure thorough mixing of the spray mixture before the application commences.
- **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank overnight.** Do not use brackish water. Application equipment must be thoroughly flushed out at the end of the spraying operation.
- **AbaShield 18 EW** may be mixed with waters of different pH values and hardness which is normally encountered in agricultural conditions.
- The optimal pH's are between 5.0 and 9.0.

#### APPLICATION METHODS

- Ensure that application equipment is clean, accurately calibrated and in good working order.
- Remove sediments, such as residues of pesticides, rust and dust from spray tanks before the use of **AbaShield 18 EW**.
- Avoid the use of hard or muddy water with a high colloidal content derived from soils with a high organic matter content.
- All sprayers must be correctly calibrated under field conditions prior to application.
- It is not necessary to spray to the point of run-off, but it is essential to ensure even and complete coverage of the target plants.
- Ensure even application for optimum results.

#### Ground Application:

- **AbaShield 18 EW** may be applied with conventional ground equipment such as tractor mounted booms, knapsack sprayers etc.
- Optimum spray deposits are obtained when ground equipment is calibrated to a spray volume of 500 to 3000 litres per hectare with suitable spray nozzles to ensure adequate coverage.
- If spray drift is a problem, do not exceed a spray pressure of 2 Bar.
- Use only the spray pressures recommended for the specific nozzles in order to avoid drift.

**Potatoes**

- Apply as a high volume spray with fine droplets to the point of run-off.
- Thorough coverage of both the upper- and undersides of the leaves is required.

**Tomatoes**

- Use a fine spray at high pressure, and only apply to the point of incipient run-off.

**Strawberries**

- Apply as a high volume, high pressure cover spray.
- Thorough coverage of both the upper- and undersides of the leaves is required to control spider mites.
- Thorough coverage is essential.

**Citrus**

- As **AbaShield 18 EW** is most effective upon ingestion by the pest, maximum efficacy may only occur between three to four days after treatment.
- Thus, **AbaShield 18 EW** should not be used for the control of high numbers of citrus thrips where a knock-down treatment is required.
- Applications should be made at the first sign of thrips presence.

**RECOMMENDATIONS**

Crop	Dosage rate	Remarks
<b><u>Citrus</u></b> Citrus thrips ( <i>Scirtothrips aurantii</i> )	20 ml / 100 l water <b>AbaShield 18 EW</b>  <b>PLUS</b>  300 ml / 100 l water Mineral oil	Apply when the thrips are noticed, and repeat the application 3 to 5 weeks later as necessary. Apply as a light cover spray to the point of incipient run-off. Do not apply more than two consecutive applications or three sprays per growing season.  <b>AbaShield 18 EW</b> should be alternated with other registered thrips remedies in order to retard resistance development. Do not apply <b>AbaShield 18 EW</b> when more than 40% of the fruit are infested.  Applications of <b>AbaShield 18 EW</b> for the control of citrus thrips may also suppress Lowveld citrus mite and citrus red mite if present in the treated area.
<b><u>Potatoes</u></b> Leafminer ( <i>Liriomyza spp.</i> )	500 ml / ha <b>AbaShield 18 EW</b> <b>PLUS</b>  2000 ml / ha <b>PARAFFOIL</b>	Apply <b>AbaShield 18 EW</b> at the first sign of infestation (20 – 30 days after crop emergence) as a high volume, high pressure spray. Ensure full coverage to the point of run-off.  Repeat twice at a 7-day interval.  <b>Do NOT exceed</b> three consecutive sprays or 5 sprays per season. Alternate with insecticides with a different mode of action.  Apply at least 300 litres water per hectare on young plants and 600 litres water per hectare on tall plants.

Crop	Dosage rate	Remarks
<b><u>Strawberries</u></b> Red spider mite ( <i>Tetranychus urticae</i> )	1200 ml / ha <b>AbaShield 18 EW</b>	Apply <b>AbaShield 18 EW</b> in at least 500 litres of water per hectare as a high volume, high pressure, full cover spray at the first signs of infestation.  Initially, apply 2 sprays at a spray interval of 7 to 10 days. Thereafter, repeat as necessary. Do not exceed 4 applications per growing season.  Ensure thorough coverage of all plant surfaces. <b>Do not</b> exceed 4.8 litres of <b>AbaShield 18 EW</b> per hectare per growing season.
<b><u>Tomatoes</u></b> Red Spider Mites ( <i>Tetranychus urticae</i> )	60 ml / 100 l water (300 – 1200 ml / ha)	Apply <b>AbaShield 18 EW</b> at the first signs of infestation as a full cover, high volume, high pressure spray to the point of incipient run-off.
American leafminer ( <i>Liriomyza trifolii</i> )	60 ml / 100 l water (300 – 1200 ml / ha)	Use up to 2000 litres spray mixture per hectare. Increase the spray volume according to the size of the plants to ensure a full cover spray to the point of incipient run-off on the upper and lower side of the leaves. If less than 500 litres of water per hectare is applied on young plants, then not less than 300 ml <b>AbaShield 18 EW</b> must be applied in sufficient water to ensure full coverage of the plants.  <b>Do not</b> exceed more than 1200 millilitres of <b>AbaShield 18 EW</b> per hectare.  <b>Red spider mite:</b> Repeat if required. <b>American leaf miner:</b> Repeat at 7 day intervals in order to maintain control.  Do not exceed a maximum of 5 applications per season.

#### DETERMINE RED SPIDER MITE POPULATION INDEX:

- Randomly select 48 plants per land.
- Count the number of female mites on three leaves per plant.
- Calculate the average number of mites on 48 plants per land.
- Determine the red spider mite population index per plant as follows.

Total number of female mites / 3 leaves / plant:	Spider mite Population Index:
0 adult females	0
1 to 10 adult females	1
11 to 30 adult females	2
31 and more	3

**PARAFFOIL** is a registered product of **MERIDIAN AGROCHEMICAL COMPANY (PTY) LTD.**