

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



Insecticide

CONFLICT GRANULE

Reg. No. L 11195 Act No. 36 of 1947
W1301942

3: 29/07/2025 – Oct2025

A water dispersible granular translaminar insecticide with stomach action for the control of insect pests on crops as listed.

ACTIVE INGREDIENT

emamectin benzoate 200 g/kg
(avermectin)

GROUP

6

INSECTICIDE



Hazard Statements:

Toxic if swallowed.
Causes mild skin irritation.
Causes serious eye damage.
Harmful if inhaled.
Causes damage to organs (nervous system).
Causes damage to organs through prolonged or repeated exposure (nervous system).

Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
Avoid release to the environment.



DANGER

kg

villa



UN Number: 2588

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

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)

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED
Batch Number: _____
Expiry/Date: _____
Date of Manufacture: _____

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W1301942

IRAC INSECTICIDE GROUP CODE: 6

ACTIVE INGREDIENTS:

emamectin benzoate (avermectin)..... 200 g/kg

Registration holder:

UNIVERSAL CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1983/008184/07

PO Box 801, KEMPTON PARK, 1620, Tel. (011) 396 2233

WARNINGS**Withholding periods:**

Allow the following number of days between the last application and harvest of the following crops:	
Apples (tank mixture with Fenoxycarb 250 WG)	21 days
Apples and Pears	14 days
Citrus (False codling moth control) (including Lemons, Limes, Mandarins, Oranges, Grapefruit & Tangelos)	7 days
Citrus (African bollworm control) (including Lemons, Limes, Mandarins, Oranges, Grapefruit & Tangelos)	14 days
Potatoes	1 day
Proteas	14 days
Tree nuts (including Almonds, Cashews, Chestnuts, Hazelnuts, Macadamias, Pecans, Pistachios and Walnuts)	14 days
Tree nuts (tank mixture with Magnitude 200 SP) (including Almonds, Cashews, Chestnuts, Hazelnuts, Macadamias, Pecans, Pistachios and Walnuts)	50 days

NOTE

THE MAXIMUM RESIDUE (MRL'S) LEVELS WILL NOT BE EXCEEDED, PROVIDED APPLICATIONS ARE APPLIED AS HEREWITH PRESCRIBED. WHEN PRODUCTION IS DESTINED FOR THE EXPORT MARKET, THE EXPORT AGENCY OF CONCERN MUST BE CONTACTED, PRIOR TO THE USE OF CONFLICT GRANULE IN A SPRAY PROGRAMME.

Hazard statements:

Toxic if swallowed.
Causes mild skin irritation.
Causes serious eye damage.
Harmful if inhaled.
Causes damage to organs (nervous system).
Causes damage to organs through prolonged or repeated exposure (nervous system).
Very toxic to aquatic life with long lasting effects.

- Handle with care.
- **Highly toxic to bees** exposed to direct spray contact. Do not apply this product or allow drift to blooming crops or weeds if bees are actively foraging.
- Harmful to birds and mammals.
- Store under lock and key in a cool, dry place, away from food, feeds, seed and fertilizer.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area until spray deposit has dried unless wearing protective clothing.
- In case of poisoning, immediately take the patient to a doctor and make this label available to him/her.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions, because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease against the remedy concerned, 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 of 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:**

Do not breathe dust, mist 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 or in a well-ventilated area.
Avoid release to the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF SWALLOWED: Immediately call a POISON CENTER and get emergency medical help.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.
IF exposed or concerned: Get emergency help immediately.
Get medical help if you feel unwell.
Rinse mouth.
If skin irritation occurs: get medical help.
Collect spillage.
Store locked up.
Dispose of contents/container in accordance with local regulations.

- Avoid eye and skin contact.
- Wash contaminated clothes after use.
- Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and change of clothing.
- Avoid excessive drift – do not treat if wind velocity exceeds 2 meters per second (7 km per hour).
- Prevent spray drift onto other crops, grazing, rivers, dams or areas not under treatment by using a suitable drift retardant such as **INTERLOCK**[®] (L 10254 / W 130875 / N-AR 1856) in row crops or **MASTERLOCK**[®] (L 10496) in orchard crops.
- Thoroughly clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, crops, grazing, boreholes, rivers or dams. Clean the applicator with a household ammonia solution (1 %) or **Protank**[®] **liquid cleaner** before using other pesticides. Let the solution stand for several hours, preferably over-night. Rinse at least twice. This applicator should not be used for applying chemicals other than insecticides.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Empty the container over the spray or mixing tank. Thereafter rinse the empty container three 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). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.
- **Do not** re-use the empty container/bag for any other purpose.
- Prevent contamination of food, feed, drinking water and eating utensils.

Relevant hazardous components	
Enamectin benzoate	20%
Terwet 1004	< 5%

SYMPTOMS OF HUMAN POISONING

Prolonged or repeated exposure may cause damage to nervous system, inhalation, skin and may cause headaches, nausea, vomiting, weakness, and diarrhoea.

FIRST AID TREATMENT

- 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. **Seek medical attention.**
- **Skin:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. **Obtain medical attention if person feels unwell or irritation persists.**
- **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. **Seek medical attention.**

- **Ingestion:** Seek medical attention 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. **Seek medical attention.**

RESISTANCE WARNING

CONFLICT GRANULE is a group code 6 insecticide. Any insect population may contain individuals naturally resistant to **CONFLICT GRANULE** and other group code 6 insecticide. The resistant individuals may eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **CONFLICT GRANULE** or any other group code 6 insecticide.

To delay insecticide resistance:

- avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate or tank mix with products from different insecticide group codes,
- for tank mixing or alternation with products in insecticide group code 6, refer to applicable individual product labels,
- integrate other control methods (chemical, cultural, biological) into disease control programmes.

For specific information on resistance management contact the registration holder of this product or consult the website of the Insecticide Resistance Action Committee (<https://irac-online.org/>). If resistance is suspected, please consult your local company representative or agricultural advisor.

Abamectin and **Emamectin benzoate** are IRAC mode of action group 6 insecticides. These active ingredients are registered for the control of pests on various crops, including tree nuts, citrus fruit, pome fruit, stone fruit, grapevine and various vegetables. Although these active ingredients have the same mode of action, they target different pests whose life cycles often overlap. To delay the onset of resistance, these insecticides may not be applied within 30 days of each other. If an application of **Abamectin** is made, an application of **Emamectin benzoate** can only be made 30 days thereafter, and vice versa. This waiting period should be increased in the case of target insects with a longer lifecycle to ensure insects from consecutive generations are not exposed to the same mode of action group insecticide. Apply registered insecticides with a different mode of action within the 30-day period following an application or block applications of **Abamectin** or **Emamectin benzoate**. Always conform to all label recommendations and only use registered dosages.

PRODUCT PROPERTIES:

CONFLICT GRANULE is effective for the control of Lepidoptera larvae. **CONFLICT GRANULE** is translaminar and is rapidly absorbed into the plant. **CONFLICT GRANULE** is effective against Lepidoptera larvae resistant to organophosphates, pyrethroids and insect growth regulators. After **CONFLICT GRANULE** ingestion, larval feeding stops, and death occurs within four (4) days.

DIRECTIONS FOR USE: Only use as directed.

Compatibility:

- The compatibility of **CONFLICT GRANULE** with other agrochemicals not listed on this label has not been fully investigated. If tank mixtures with other products are made, first confirm physical compatibility by mixing small volumes of the products in the correct ratio with the appropriate quantity of water. If the products are physically compatible, this does **NOT** imply that they will be biologically compatible (effective against the target pest), thus the registration holder will not take responsibility for ineffective control in these scenarios. Water quality and formulation properties of other products may influence compatibility.
- **CONFLICT GRANULE** is compatible with **Fenoxycarb 250 WDG, Charge/Techniwet Super, Maintain 200 SP/Magnitude 200 SP, MASTERLOCK®** (L 10496) and **INTERLOCK®** (L 10254 / W 130875 / N-AR 1856).
- **Masterlock®** is an adjuvant for use with post-emergence foliar pesticide applications on permanent crops, orchards, and vineyards to reduce spray drift, improve droplet deposition, as well as canopy penetration and droplet spreading and absorption. Apart from buffers, **Masterlock®** should not be used with other adjuvants. Groups of pesticides/chemicals will behave in a similar way when applied with **Masterlock®** and as such, the effect can be extrapolated within a group. Consequently **Masterlock®** was not tested in all crop situations listed on this label and thus should not be applied where the pre-harvest interval is seven (7) days or less, unless specified.
- **Interlock®** can be added to improve drift control, canopy penetration and coverage in row crops. **Interlock®** can be used in conjunction with other adjuvants, including wetter / spreader adjuvants.

Similar to **Masterlock®**, **Interlock®** was also not tested in all crop situations listed on this label and thus should not be applied where the pre-harvest interval is seven (7) days or less, unless specified.

- When **CONFLICT GRANULE** is used in conjunction with any other agricultural remedy, adhere to all **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on that label.

Use restrictions:

Thorough and even coverage of the crop is essential. Do not apply during the heat of the day or if the plants are wet or if rain is imminent.

CONFLICT GRANULE is toxic to bees. Do not spray during flowering or when bees are actively foraging.

Mixing instructions:

- Half fill the spray tank with clean water. Add the required amount of **CONFLICT GRANULE** while maintaining agitation. Complete the filling operation whilst maintaining agitation.
- When mixing **CONFLICT GRANULE** with other products (as registered on this label), use the following procedure:
 - If a buffer is required, it should be added to the spray mixture first.
 - Mix the required quantity of WDG or WP products in a small quantity of water to make a smooth cream and add this to the spray mixture. If dry formulations are contained in water-soluble bags, add this to the spray mixture.
 - In the following order, add any additional products: SC or SE formulations, followed by EC, EW or ME formulations. Lastly add products of SL, SG or SP formulation types. Pre-mix products individually before adding them to the spray mixture.
 - After all the products have been thoroughly incorporated, add the wetter / spreader adjuvants and drift retardant adjuvants such as **Interlock®** or **Masterlock®**.
- Maintain continuous suspension in the spray tank during mixing and application by means of proper agitation.
- Prepared spray mixture must not be left in the spray tank for any length of time, e.g., overnight.

Crop information:

Apples and Pears – Tree Row Volume

The volume of water to be applied per hectare should be calculated according to the Tree Row Volume (TRV) formula (Unrath):

$$\text{Litre / ha} = \frac{\text{Tree height X Tree diameter X 937}}{\text{Row width}}$$

TRV is the volume of water required when trees are in full leaf. Use the volume required per hectare to calculate the rate of **CONFLICT GRANULE** required during the various growth stages of the trees during the season.

The water requirements recommended for different growth stages:

POME FRUIT	
Growth stage	% high volume water requirement / ha
From green tip to ± 30 % blossom	60 %
From ± full blossom to ± middle November	80 %
From ± beginning December	100 %

APPLICATION RATES

Crop / Pest	Dosage	Remarks
Apples Codling moth (<i>Cydia pomonella</i>)	3.5 to 5 g / 100 ℓ (0.5 g / 10 ℓ) PLUS 30 g Fenoxycarb 250 WG (3 g / 10 ℓ)	Commence application at onset of the first (1 st), second (2 nd) or third (3 rd) generation. Apply as a full cover spray according to the Tree-Row-Volume formula described by Unrath. Apply spray mixture at fourteen (14) day intervals. Ensure that an effective control programme precedes the Fenoxycarb 250 WG PLUS CONFLICT GRANULE programme. Use the higher CONFLICT GRANULE rate when targeting the third (3 rd) generation or in cases of high second (2 nd) generation infestation pressure, i.e., in orchards with a history of high Codling moth pressure or where fruit damage is evident when programme commences. Refer to “ Crop information ” under “ DIRECTIONS FOR USE ”.
Apples & Pears Codling moth (<i>Cydia pomonella</i>)	6 g / 100 ℓ water	Commence application at the onset of the first (1 st), second (2 nd) or third (3 rd) generation. Use CONFLICT GRANULE for the control of one (1) generation of the pest only. Apply as a full cover spray according to the Tree-Row-Volume (TRV) formula described by Unrath, ensuring thorough coverage. Applications can be made at intervals of 7 to 10 days. Do not exceed four (4) applications of CONFLICT GRANULE per growing season. If further control is needed, use chemicals with a different mode of action. Refer to “ Crop information ” under “ DIRECTIONS FOR USE ”.
African bollworm (<i>Helicoverpa armigera</i>)	8 to 10 g / 100 ℓ water	Monitor for Bollworm and commence application as soon as the first signs of the pest is noticed. Apply as a full cover spray according to the Tree-Row-Volume (TRV) formula described by Unrath, ensuring thorough coverage. Applications can be made at intervals of 7 to 10 days. Do not exceed four (4) applications of CONFLICT GRANULE per growing season. If further control is needed, use chemicals with a different mode of action. Refer to “ Crop information ” under “ DIRECTIONS FOR USE ”.

Crop / Pest	Dosage	Remarks
<p>Citrus (including Lemons, Limes, Mandarins, Oranges, Grapefruit & Tangelos)</p> <p>False codling moth (<i>Thaumatotibia leucotreta</i>)~</p>	<p>10 g / 100 ℓ water</p> <p>PLUS</p> <p>20 to 100 ml / 100 ℓ Masterlock®</p>	<p>Apply as a full cover spray, ensuring thorough coverage of the fruit.</p> <p>When using CONFLICT GRANULE for the control of early or mid-season False codling moth infestation, two (2) consecutive applications can be made at a 14-day interval (one application window), targeting one generation of the pest. To delay insecticide resistance, application windows prior to, and following the CONFLICT GRANULE application window, use an insecticide with a different mode of action.</p> <p>For late season infestation (the last application window), two (2) consecutive applications of CONFLICT GRANULE can be applied, one (1) application at four (4) weeks before harvest and one (1) application at two (2) weeks before harvest.</p> <p>If CONFLICT GRANULE was not used for the last application window against False codling moth, a single application of CONFLICT GRANULE can be applied at one (1) week before harvest.</p> <p>Do not apply more than four (4) applications of CONFLICT GRANULE per growing season. Do not apply CONFLICT GRANULE during flowering or when Bees are actively foraging.</p>
<p>African bollworm (<i>Helicoverpa armigera</i>)</p>	<p>10 g / 100 ℓ water</p> <p>PLUS</p> <p>20 to 100 ml / 100 ℓ Masterlock®</p>	<p>Commence application as soon as the first signs of the pest is noticed. Apply as a full cover spray, ensuring thorough coverage. Applications should be made at intervals of 7 to 10 days.</p> <p>Do not apply more than four (4) applications per season. If further control is needed, alternate with chemicals with a different mode of action.</p>
<p>Potatoes Potato leafminer (<i>Liriomyza</i> spp.)</p> <p>Tomato leafminer (<i>Phthorimaea absoluta</i>)</p>	<p>60 to 96 g / ha (0.6 to 1.92 g / 10 ℓ water)</p> <p>PLUS</p> <p>500 ml / ha Medium grade mineral oil</p> <p>PLUS</p> <p>200 ml / ha Interlock®</p>	<p>Commence application as soon as the first signs of the pest is noticed. Use the higher rate under more severe pest pressure.</p> <p>Apply as a high-volume, full cover spray in 500 to 1000 litres of water per hectare, depending on plant size. Follow-up applications can be made at 7-day intervals.</p> <p>Do not apply more than three (3) applications of CONFLICT GRANULE per growing season.</p> <p>If further control is needed, switch to a chemical with a different mode of action.</p> <p>Medium grade mineral oil can be replaced by Charge. Consult the product label for the full details regarding “WARNINGS” and “DIRECTIONS FOR USE”.</p>
<p>Proteas African bollworm (<i>Helicoverpa armigera</i>)</p>	<p>45 – 84 g/ha</p>	<p>Commence applications at the onset of infestation, as determined by the local spray threshold, when eggs are hatching. Apply as a full cover spray, ensuring thorough coverage.</p> <p>Do not apply more than four (4) applications of CONFLICT GRANULE per growing season.</p>

Crop / Pest	Dosage	Remarks
<p>Tree nuts (including Almonds, Cashews, Chestnuts, Hazelnuts, Macadamias, Pecans, Pistachios and Walnuts)</p> <p>Macadamia nut borer (<i>Thaumatotibia leucotreta</i>) also known as [<i>Cryptophlebia leucotreta</i>]</p>	<p>5 g / 100 ℓ water PLUS 40 g / 100 ℓ water Magnitude 200 SP and / or 7.5 g / 100 ℓ water</p>	<p>Commence applications at the onset of infestation, as determined by pest monitoring / scouting, when eggs are hatching, but before neonate larvae penetrate the nuts. First apply the CONFLICT GRANULE PLUS Magnitude 200 SP mixture, thereafter, continue with solo applications of CONFLICT GRANULE. In orchards with a high infestation or known history of Macadamia nut borer infestation, apply two (2) applications of the CONFLICT GRANULE PLUS Magnitude 200 SP mixture before switching to solo applications of CONFLICT GRANULE.</p> <p>Apply as a medium cover spray, ensuring all nut clusters are sufficiently protected. For optimal results, it is recommended to use a spray oil with solo applications of CONFLICT GRANULE.</p> <p>Do not exceed two (2) applications of the tank mix of CONFLICT GRANULE PLUS Magnitude 200 SP per growing season.</p> <p>Do not exceed four (4) applications (in total) of CONFLICT GRANULE (solo and in tank mix) per season.</p>
<p>(including Almonds, Cashews, Chestnuts, Hazelnuts, Macadamias, Pecans, Pistachios and Walnuts)</p> <p>Codling moth (<i>Cydia pomonella</i>) False codling moth (<i>Cryptophlebia leucotreta</i>) African bollworm (<i>Helicoverpa armigera</i>) Leaf rollers</p>	<p>5.5 – 8.5 g/100 ℓ water</p>	<p>Commence applications at the onset of infestation, as determined by pest monitoring / scouting, when eggs are hatching, but before neonate larvae penetrate the nuts or stem. Apply as a full cover spray, ensuring thorough coverage.</p> <p>For optimal results, it is recommended to use a spray oil with solo applications of CONFLICT GRANULE. In orchards with a high infestation, apply higher volume of CONFLICT GRANULE. To maintain control, repeat applications at 7 day intervals.</p>

The following products mentioned in this label may be replaced with equivalent products:

- **MAGNITUDE 200 SP** (L 9226) = **MAINTAIN 200 SP** (L 9225 / N-AR 1857 / W1301368) (**Acetamiprid**) and
- **CHARGE** (L 9100 / W 130953) = **TECHNIWET SUPER** (L 9239).

MAGNITUDE 200 SP is a registered product of **UNIVERSAL CROP PROTECTION (PTY) LTD.**

MAINTAIN 200 SP is a registered product of **VILLA CROP PROTECTION (PTY) LTD.**

MASTERLOCK®, **PROTANK® LIQUID CLEANER** and **INTERLOCK®** are registered tradenames of **WINFIELD UNITED REGISTRATIONS HOLDINGS (PTY) LTD.**