

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



Insecticide

# CORDIAL 350 WDG

Reg. No. L 9848 Act No. 36 of 1947

4:12/02/2024 – Oct2024

A water dispersible granule stomach and contact insecticide for the control of insect pests in crops as indicated.

## ACTIVE INGREDIENT

chlorantraniliprole  
(anthranilic diamide)

350 g/kg

GROUP

28

INSECTICIDE



WARNING

### Hazard Statements:

Causes mild skin irritation.  
Causes serious eye damage.  
Very toxic to aquatic life with long lasting effects.

### Precautionary Statements:

Wash hands thoroughly after handling. Do not touch eyes.  
Avoid release into the environment.

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED

Batch Number:  
Date of Manufacture:

kg

**villa**

UN Number: 3077

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)

**CORDIAL 350 WDG**

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 IRAC INSECTICIDE GROUP CODE: 28

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**WARNINGS****Withholding period:**

<b>Minimum time between the last application and harvest:</b>	
Avocados	14 days
Citrus	7 days
Tomatoes	1 day
Pome fruit (Including Apples and Pears)	14 days
Stone fruit (Apricots, Nectarines, Peaches, Cherries, Plums and Prunes)	14 days
Table grapes	3 days
Tree nuts (Almonds, Cashews, Chestnuts, Hazelnuts, Macadamia nuts, Pecans, Pistachio nuts and Walnuts)	10 days

**NOTE**

**IN THE CASE OF CROPS INTENDED FOR EXPORT, CONFIRM WITHHOLDING PERIODS WITH THE RELEVANT EXPORTING ORGANISATION. IF THIS PRODUCT IS USED ACCORDING TO THE RECOMMENDATIONS ON THIS LABEL, THE LOCAL MRL VALUES WILL NOT BE EXCEEDED. HOWEVER, UNIVERSAL CROP PROTECTION (PTY) LTD. CANNOT ACCEPT RESPONSIBILITY FOR EXPORTED CROPS EXCEEDING THE IMPORT TOLERANCES OF OTHER COUNTRIES.**

**Hazard statements:**

Causes mild skin irritation.
Causes serious eye damage
Very toxic to aquatic life with long lasting effects

- Handle with care.
- This product is not likely to be hazardous by inhalation.
- Store in a cool, dry place away from food, feeds, fertilizers and other agricultural remedies.
- Keep out of reach of children, animals and uninformed persons.
- Use of this material in a manner or at a time other than in accordance with the directions may cause excessive residues or other undesirable results.
- Re-entry: Do not enter treated area until spray deposit has dried unless wearing protective clothing.

**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. The action 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, the occurrence of resistance of the pest 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:**

Wash hands thoroughly after handling. Do not touch eyes.
Avoid release into the environment.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation occurs: Get medical advice.
If eye irritation persists: Get medical help.
Collect spillage
Dispose of content/container in accordance with local regulations.

- Do not inhale the spray mist.
- Avoid contact with eyes and prolonged or repeated skin contact.
- Persons in contact with the insecticide should wear protective clothing (long-sleeved shirts and long pants, shoes with socks and gloves).
- Wash contaminated clothing after use.
- Wash with soap and water after use or accidental skin contact.
- Do not eat, drink or smoke whilst mixing, applying the product or before washing hands and face or change of clothing.
- In case of ingestion call a physician or poison centre.
- Prevent drift of spray onto other non-target crops, grazing areas, rivers, dams, and other areas not under treatment, by using a suitable drift retardant such as Masterlock®.
- Thoroughly clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing areas, boreholes, rivers, or dams.
- Do not apply directly to and prevent drift onto other edible crops than indicated on the label, grazing, rivers, dams and areas not under treatment. crops, grazing, rivers or dams.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Empty containers by inverting the empty 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](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, feedstuffs, drinking water and eating utensils.
- Do not apply **CORDIAL 350 WDG** when honeybees are actively foraging.

<b>Relevant hazardous components</b>	
<b>Chlorantraniliprole</b>	35.0%
Sodium Dodecylbenzenesulfonate	<2 %

**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.

- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention 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. Obtain medical attention if irritation persists. **Obtain medical attention 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. **Seek medical attention if irritation persists.**
- **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.

**NOTE TO PHYSICIAN**

There is no specific antidote available. Treat symptomatically and supportively.

**INTEGRATED PEST MANAGEMENT**

**Universal/Villa Crop Protection** supports the use of Integrated Pest Management (IPM) programmes to control pests. This product may be used as part of an IPM programme, which can include biological, cultural, and genetic practices, aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods such as male moth pheromone traps, correct target pest

identification, population monitoring, rotation of insecticides with different modes-of-action and treating when target pest populations reach locally determined action thresholds. Consult your cooperative extension service, professional consultants, or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop or site systems in your area.

### **SCOUTING**

Monitor insect populations to determine whether there is a need for application of **CORDIAL 350 WDG** based on locally determined economic thresholds. More than one treatment of **CORDIAL 350 WDG** may be required to control a population of pests.

### **RESISTANCE WARNING**

**CORDIAL 350 WDG** is a group code 28 insecticide. Any insect population may contain individuals naturally resistant to **CORDIAL 350 WDG** and other group code 28 insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **CORDIAL 350 WDG** or any other group code 28 insecticide.

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

- Avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate with products from different insecticide group codes.
  - Apply insecticides using treatment windows to avoid consecutive insect pest generations being exposed to the same mode of action. A treatment window is defined as a period of residual activity provided by a single or sequence of product applications with the same mode of action within an approximate 30-day period, depending on the local generation time from egg to adult. The length of the window period should ideally conform to the generation time of the target pest.
  - Following a treatment window, rotate to a treatment window of a different chemical class with a different mode of action.
  - For short cycle crops (< 50 days), consider the duration of the crop cycle as a treatment window, thus alternating to a different mode of action for the subsequent planting at the same location.
- Integrate other control methods (chemical, cultural, biological) into insect control programmes. **CORDIAL 350 WDG** applications are relatively safe to beneficial arthropods (parasitoids and predators). While beneficial arthropods cannot be relied upon to control pest insects completely, they are of potential value and should be monitored along with pests in pest management programmes.
- Do not reduce rates below the label recommendation and target the most susceptible insect life stage. Monitor pest populations and apply **CORDIAL 350 WDG** according to label instructions when locally determined economic thresholds are reached. Do not exceed the maximum number of **CORDIAL 350 WDG** applications per season as indicated in the “**APPLICATION RATES**” table.

Due to its unique mode of action, **CORDIAL 350 WDG** is a useful tool in resistance management. For more 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.

### **MODE OF ACTION**

The active ingredient, chlorantraniliprole, is a systemic insecticide with activity primarily by ingestion and secondarily by contact, translocated acropetally in the xylem, translaminar mobility. Insects exhibit general lethargy and muscle paralysis, rapidly stop feeding and ultimately die. Activation of the ryanodine receptors in the calcium release channel, leading to contraction and paralysis.

### **GENERAL INFORMATION**

- **CORDIAL 350 WDG** is active through ingestion (stomach action) and cuticular absorption (skin contact action).
- **CORDIAL 350 WDG** acts by means of impaired muscle regulation, paralysis and ultimately insect death. Although the pests may take 2 to 3 days to die, inhibition and cessation of insect movement and feeding occurs rapidly after contact/feeding.
- **CORDIAL 350 WDG** is very active against the larvae, less so against adults. It inhibits feeding activity and has ovicidal and ovi-larvicidal activity.
- **CORDIAL 350 WDG** controls mainly Lepidoptera insect pests (larvae of Moths and Butterflies), but also some insect pests in other orders e.g. Coleoptera (Beetles) and Diptera (Flies). **CORDIAL 350 WDG** applications have been proved as not harmful to many beneficial insects (predators, parasitoids and pollinators), as well as predatory mites, and can therefore effectively be used in Integrated Pest Management (IPM) programmes. Ladybird beetles are affected.

## **USE RESTRICTIONS**

- The efficacy of **CORDIAL 350 WDG** applications can be adversely influenced by high infestation level of the pest, flight patterns of the False codling moth in citrus orchards, big and dense trees, wrong application equipment, climatic conditions and application timing, etc.

## **DIRECTIONS FOR USE: Only use as directed.**

### **Compatibility:**

- The compatibility of **CORDIAL 350 WDG** with other agrichemicals 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.
- **CORDIAL 350 WDG** is compatible with the adjuvant **Villa 51, Charge & MASTERLOCK®** (L 10496).
- When **CORDIAL 350 WDG** is used in conjunction with any other agricultural remedy, adhere to all **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on the relevant labels.
- **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 properties. 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.
- For more compatibility information, or in the event of uncertainty, contact your nearest **Universal/Villa Crop Protection representative**.

### **Mixing instructions:**

- Ensure that the spray equipment is clean and free of previously applied pesticide residues before application of **CORDIAL 350 WDG**.
- Fill the spray tank half with clean water and ensure agitation.
- Add the required volume of **CORDIAL 350 WDG** directly to the tank and fill to the final application volume with water while agitation is maintained.
- Mixing sequence: If **CORDIAL 350 WDG** is to be applied in a tank mixture with other products, follow the following mixing sequence for different types of formulations:
  - water dispersible granules e.g. **CORDIAL 350 WDG** to the spray tank first followed by other formulations (where applicable) in the following order:
  - wettable powders
  - suspension concentrates
  - water soluble concentrates
  - oil-based suspension concentrates
  - emulsifiable concentrates
  - adjuvants, surfactants and spray oils
  - drift retardants (e.g. **Masterlock®**)
- Allow sufficient time for complete mixing and dispersion before the next product is added to the mixture. Also refer to "**Compatibility**" above.

## **APPLICATION INSTRUCTIONS**

### **1. General:**

- Apply **CORDIAL 350 WDG** as a high-volume full cover application with conventional spray equipment, which is correctly calibrated and in good working order, which will provide thorough coverage of the target crop and correct dosage rate per hectare.
- Always ensure thorough coverage of the foliage and developing fruits.
- For some permanent crops, as listed below, **CORDIAL 350 WDG** dosages can be calculated according to tree row volume (TRV) of the orchard, irrespective of the actual volume of water being applied. The TRV is calculated when the trees are in full leaf according to the formula below. Measurements should be taken in summer when trees are in full flush.

$$\text{TRV} = \frac{\text{Tree height (m)} \times \text{tree diameter (m)} \times 937}{\text{Row width (m)}}$$

**CORDIAL 350 WDG** can be applied as either a high-volume application, where the water volume per hectare is equal to TRV, or as a low volume, concentrated application, where the water volume applied is

lower than TRV. Regardless, the amount of **CORDIAL 350 WDG** per hectare remains constant (according to TRV). **CORDIAL 350 WDG** should not be applied in water volumes of less than a quarter ( $\frac{1}{4}$ ) of TRV (not higher than 4X concentration).

Refer to crop information below for the water volumes recommended at different growth stages of the tree based on TRV.

### **CROP INFORMATION**

#### Pome Fruit (including Apples & Pears):

- **CORDIAL 350 WDG** can be applied against the first, second or third generation of Codling moth. In order to prevent the development of resistance, apply products with a different mode of action against different generations of Codling moth, e.g. **Session 300 WDG**. Refer to **Session 300 WDG** label for full recommendations.

<b>Growth stage</b>	<b>% of TRV requirement / ha</b>
From green tip to $\pm$ 30 % blossom	60 %
From $\pm$ full blossom to $\pm$ mid-November	80 %
From $\pm$ beginning of December	100 %

#### Stone Fruit (Apricots, Nectarines, Peaches, Cherries, Plums and Prunes):

<b>Growth stage</b>	<b>% of TRV requirement / ha</b>
Bud break to full bloom	60 %
75 % petal drop to 1 month later (mid-season)	80 %
Mid-season to post-harvest	100 %

### **PEST INFORMATION**

#### Codling moth (CM) and False Codling Moth (FCM)

- Always apply **CORDIAL 350 WDG** as part of an **Integrated Pest Management programme (IPM)** as the product cannot provide season long control by itself.
- For best results, **CORDIAL 350 WDG** applications should be combined with, or preceded by, other control strategies.
- Moth flight patterns form a crucial part in the planning of CM and FCM control strategies and the timing of applications. Under high pest pressure, one has overlapping generations, which can make pest control in late season crops such as Navels, Mandarins and Valencia types more difficult. It is also essential that all fallen fruit be collected from orchards and destroyed to prevent larvae escaping to pupate in the soil.
- Rotate products from different chemical classes / mode of actions to control different generations of the pest.
- For optimum timing of **CORDIAL 350 WDG** applications, it is recommended to monitor male moth flight activities throughout the growing season in the orchard (or a close by orchard in the case of a mating disrupted orchard).
- An effective, well-maintained orchard sanitation programme throughout the growing season is a critical corner stone for the effective control of CM and FCM, regardless of the control method(s) that is/are used.

**APPLICATION RATES****IMPORTANT**

Refer to **USE RESTRICTIONS, GENERAL and CROP INFORMATION AND APPLICATION INSTRUCTIONS** above.

<b>Crop / Pest</b>	<b>Dosage Rate</b>	<b>Remarks</b>
<p><b>Pome fruit (Apples &amp; Pears)</b> Larvae of Codling moth (<i>Cydia pomonella</i>)</p>	<p>10 g / 100 ℓ spray mixture (maximum 300 g/ha per application)</p> <p>(1 g / 10 ℓ) water</p>	<p>Apply <b>CORDIAL 350 WDG</b> preventively or when eggs or larvae are present, but before larvae enter the fruit. If <b>CORDIAL 350 WDG</b> is applied against the first Codling moth generation, applications must commence no later than 75 % petal drop. Apply <b>CORDIAL 350 WDG</b> in a spray programme, at 14-day intervals between applications. Apply <b>CORDIAL 350 WDG</b> as a full cover application at spray volumes from 800 to 3000 litres spray mixture per hectare depending on the size of the trees and stage of the crop. Spray volume can be calculated according to TRV. A follow-up <b>CORDIAL 350 WDG</b> application may be necessary 10 to 14-days later depending on re-infestation of the pest. Thorough coverage of the foliage and developing fruit is crucial. <b>Do not exceed three (3) CORDIAL 350 WDG applications per season, including applications done with this product against African bollworm (refer below).</b> Before applying <b>CORDIAL 350 WDG</b>, consult your local <b>Villa Crop Protection Technical advisor</b>, as well as the latest Deciduous Fruit Producers' Trust (DFTP) lists, with MRL information and recommended PHI.</p> <p><u>Spray programme:</u> For resistance management, products with a different mode of action should be applied against different generations of Codling moth. <b>CORDIAL 350 WDG</b> can be applied in a spray programme with <b>Session 300 WDG</b>. Use <b>Session 300 WDG</b> in the first treatment window if the Banded fruit weevil is present, use <b>CORDIAL 350 WDG</b> in the first treatment window if African bollworm is present.</p> <p><b>When applying CORDIAL 350 WDG as part of a spray programme, refer to the respective product labels for "USE RESTRICTIONS, DIRECTIONS FOR USE, APPLICATION RATES", number of sprays allowed per season and the minimum time between the last application and harvest.</b></p>
<p>Larvae of African bollworm (<i>Helicoverpa armigera</i>)</p>	<p>10 g / 100 ℓ spray mixture (maximum 300 g/ha per application)</p> <p>(1 g / 10 ℓ) water</p>	<p>Ensure to apply <b>CORDIAL 350 WDG</b> when eggs or young larvae are present, but before larvae enter the fruit. Apply <b>CORDIAL 350 WDG</b> from 800 up to 3000 litres spray mixture per hectare. A follow up <b>CORDIAL 350 WDG</b> treatment may be required 10 to 14-days later depending on infestation pressure of the pest. Thorough coverage of the foliage and developing fruit is crucial. <b>Do not exceed three (3) CORDIAL 350 WDG applications per season; including applications done with this product against Codling moth.</b></p>

Crop / Pest	Dosage Rate	Remarks
<b>Avocados</b> False codling moth ( <i>Thaumatotibia leucotreta</i> )	10 g / 100 ℓ water (maximum 300 g/ha per application)	Apply <b>CORDIAL 350 WDG</b> as a full cover application when moth catches in pheromone traps indicate infestation, usually at the onset of ripening. Applications should be made in water volumes from 2000 to 4000 litres spray mixture per hectare, depending on the stage of the crop.  A follow-up application can be made after 10 days.  <b>Do not exceed two (2) applications of CORDIAL 350 WDG on the crop per season.</b> If further control is needed, use a chemical with a different mode of action.
<b>Citrus</b> False Codling Moth (larvae) ( <i>Thaumatotibia leucotreta</i> = <i>Cryptoplebia leucotreta</i> )	10 g / 100 ℓ (1 g / 10 ℓ) water	<p><b>Moth flight patterns form a crucial part in the planning of FCM control strategies and the timing of applications. Under high FCM pressure, one has overlapping generations, which can make FCM control in late season Navels, Mandarins and Valencia types more difficult. It is also essential that all fallen fruit be collected from orchards and destroyed to prevent larvae escaping to pupate in the soil. Proper spray coverage of fruit is essential for effective control.</b></p> <p><u>Orchards where FCM activities are monitored in the eastern Cape:</u>            Apply the 1<sup>st</sup> <b>CORDIAL 350 WDG</b> application as a full cover, preventive treatment as soon as the FCM male catches start to peak during February/March. Apply the 2<sup>nd</sup> application, again according to the moth flight peaks, usually about mid-April 6 to 8 weeks later.            Apply in 4000 to 10000 litres spray mixture per hectare, depending on the size and growth habit of the trees.</p> <p><u>Orchards in the Lowveld areas where FCM activity should also be monitored:</u>            FCM attack usually commences as soon as fruit start to mature, i.e. externally green but with the onset of physiological maturation processes internally, from about three (3) months prior to harvest. Again, make use of moth traps to determine the moth flights.            According to the cultivar, apply the 1<sup>st</sup> <b>CORDIAL 350 WDG</b> application as a full cover, preventive treatment as soon as the FCM male catches starts increasing during February/March. Apply the 2<sup>nd</sup> application, again according to the moth flights of the season, usually mid-April.</p>
<p><b>REMARKS</b>            Make use of other control agents such as Granular Virus, Mating Disruption or Sterile Insect Technique (SIT), <b>Assessor 240 SC</b> or <b>Spinetoram</b> sprays to prevent infested fruit from getting to the pack house.</p>		



<b>Crop / Pest</b>	<b>Dosage Rate</b>	<b>Remarks</b>
<b>Tomatoes</b> Larvae of Potato tuber moth ( <i>Phthorimaea operculella</i> )  Larvae of Tomato semi-looper ( <i>Chrysodeixis acuta</i> )	10 g / 100 ℓ (1 g / 10 ℓ) water	Commence spraying at the first signs of an infestation. Apply as a full cover spray in 500 to 1000 litres water per hectare, depending on plant size for tomatoes up to 1 metre in height. For taller plants a higher spray volume should be used, maintaining the same concentration. Repeat application at 7 to 10-day intervals or as dictated by inspection of the crop. Thorough coverage is important to achieve optimum control.  <b>Do not exceed three (3) applications per season.</b>
Tomato leaf miner ( <i>Tuta absoluta</i> )	11.5 g / 100 ℓ water  <b>OR</b> 115 g / ha for concentrated mist blower applications	Commence spraying at the first signs of infestation (during egg-laying or when the first erosions are visible on young leaves). Apply as a full cover spray in 500 to 1500 litres water per hectare. Good coverage of the fruit and foliage is essential. For reduced spray volume applications with a mist blower, apply <b>CORDIAL 350 WDG</b> at a dosage rate of 115 g per hectare in a minimum spray volume of 500 litres of spray mixture per hectare.  <b>Do not exceed three (3) applications per season.</b>
<b>Notes – tomatoes</b> <ul style="list-style-type: none"> <li>Regular scouting is essential to determine the timing of the first and subsequent applications of <b>CORDIAL 350 WDG</b>.</li> <li><b>CORDIAL 350 WDG</b> can be applied in 7 to 10-day interval programme under conditions of continuous re-infestation of semi-looper and potato tuber moth. The shorter interval should be used early in the season when plants are actively growing and always when targeting <i>Tuta absoluta</i>.</li> <li><b>CORDIAL 350 WDG</b> applied at 7-day intervals will provide 50 to 80 % reduction of American leafminer (<i>Liriomyza trifolii</i>) under low to medium pest pressure. Under high pressure, alternate <b>CORDIAL 350 WDG</b> with a product specifically registered and effective against the pest.</li> <li><b>Do not exceed three (3) applications of CORDIAL 350 WDG per season.</b> Alternate with products with a different mode of action (e.g. <b>Session 300 WDG</b>). Apply two <b>CORDIAL 350 WDG</b> applications consecutively in a block application before switching over to a chemical with a different mode of action.</li> <li>The addition of an adjuvant/wetter such as <b>Villa 51</b> at the registered rate is recommended to improve coverage.</li> </ul> <b>Do not exceed a maximum of 345 g/ha of CORDIAL 350 WDG in total per season in tomatoes.</b>		

Crop / Pest	Dosage Rate	Remarks
<p><b>Tree nuts</b> (including Almonds, Cashews, Chestnuts, Hazelnuts, Macadamia nuts, Pecans, Pistachio nuts, Walnuts)</p> <p>Larvae of False codling moth (<i>Thaumatotibia leucotreta</i>)</p>	<p><b>IMPORTANT NOTE</b> The original approved registration was granted as an emergency registration for control of False codling moth in Tree nuts and is therefore based on limited and/or restricted data and experience on efficacy and crop safety. The use is therefore the sole risk and responsibility of the producer as end-user. Producers are strongly advised to test spray a small area to confirm efficacy and crop safety before using it on a large scale and/or large area.</p> <p>10 g / 100 ℓ spray mixture (maximum 300 g / ha)</p>	<p>Apply <b>CORDIAL 350 WDG</b> when moth catches in pheromone traps indicate an infestation of False Codling moth (typically at the onset of ripening). Apply <b>CORDIAL 350 WDG</b> as a full cover foliar application at spray volumes from 2000 up to 4000 litres spray mixture per hectare, depending on the stage/tree size of the crop.</p> <p>The addition of a registered non-ionic wetter, such as <b>Villa 51</b>, may enhance the insect control potential of <b>CORDIAL 350 WDG</b>. Ensure thorough coverage of the foliage and developing fruit.</p> <p>A further application should be made at 10-day intervals if necessary. <b>Do not exceed more than two (2) consecutive applications of CORDIAL 350 WDG within an "Application window"</b>. Should any further control of the pest be required apply an insecticide that is not from IRAC Group Code 28.</p>
<p><b>Stone fruit</b> (including Apricots, Nectarines, Peaches, Cherries, Plums &amp; Prunes)</p> <p>False codling moth (<i>Thaumatotibia leucotreta</i>)</p>	<p>17 g / 100 ℓ water</p>	<p><u>False codling moth:</u> Apply <b>CORDIAL 350 WDG</b> as a full cover application when moth catches in pheromone traps indicate infestation, usually at the onset of ripening.</p> <p><u>African bollworm:</u> Apply <b>CORDIAL 350 WDG</b> as a full cover application as soon as eggs or young larvae are noticed.</p>
<p>African bollworm (<i>Helicoverpa armigera</i>)</p>	<p>10 g / 100 ℓ water</p>	<p><u>Oriental fruit moth:</u> Apply <b>CORDIAL 350 WDG</b> as a full cover application based on pheromone trap catches. Thorough coverage is essential. Applications should be made according to the day-degree model. Establish the first biofix date and commence spraying when approximately 500° day degrees have accumulated. A second application can be made when 420° to 510° day degrees have accumulated after the second biofix date.</p>
<p>Oriental fruit moth (<i>Grapholita molesta</i>)</p>	<p>10 to 12 g / 100 ℓ water</p>	<p>Time applications carefully, before newly hatched larvae tunnel into shoots or fruit. Use the higher rate under conditions of high OFM pressure. The addition of a registered non-ionic surfactant may enhance the potential efficacy of <b>CORDIAL 350 WDG</b>.</p> <p>A follow-up application can be made after 14 days.</p> <p>Use the lower application rate for less severe infestations.</p> <p><b>Do not exceed two (2) applications of CORDIAL 350 WDG</b> on the crop per season, including applications for False codling moth, African bollworm and Oriental fruit moth. If further control is needed, use a chemical with a different mode of action.</p>

<b>Crop / Pest</b>	<b>Dosage Rate</b>	<b>Remarks</b>
<b>Table grapes</b> False codling moth ( <i>Thaumatotibia leucotreta</i> )	25 g / 100 ℓ water  <b>PLUS</b>  25 ml / 100 ℓ water <b>Charge</b>	Apply <b>CORDIAL 350 WDG</b> as a full cover application when moth catches in pheromone traps indicate infestation, usually at the onset of ripening.  A follow-up application can be made after 14 days.  <b>Do not exceed two (2) applications of CORDIAL 350 WDG</b> on the crop per season. If further control is needed, use a chemical with a different mode of action.

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

- **SESSION 300 WDG** (L 9010) = **MARGIN 300 WDG** (L 9009 / N-AR 1755) (**Indoxacarb**),
- **ASSESSOR 240 SC** (L 10349) = **WALKER 240 SC** (L 10348) (**Methoxyfenozide**),
- **CHARGE** (L 9100 / W 130953 / N-AR 2241) = **TECHNIWET SUPER** (L 9239) and
- **VILLA 51** (L 8050 / W 130454 / N-AR 1090) = **WEN 51** (L 8315).

**MARGIN 300 WDG, CHARGE, TECHNIWET SUPER** and **WALKER 240 SC** are registered products of **VILLA CROP PROTECTION (PTY) LTD.**

**SESSION 300 WDG, VILLA 51, WEN 51** and **ASSESSOR 240 SC** are registered products of **UNIVERSAL CROP PROTECTION (PTY) LTD.**

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