

# AMICOR<sup>®</sup> Insecticide

SOUTH AFRICA Registration Number/Registrasie Nommer L10722, Act No. 36 of 1947/Wet 36 van 1947

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

GROUP/GROEP	28	INSECTICIDES	INSEKDODERS
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A suspension concentrate stomach and contact insecticide for the control of various insect pests on crops as listed.	'n Suspensie konsentraat maag en kontak insekdoder vir die beheer van verskeie plae op gewasse soos gelys.
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#### HAZARD STATEMENTS:

Very toxic to aquatic life with long lasting effects.

#### PRECAUTIONARY STATEMENTS:

Avoid release to the environment

Collect spillage

Dispose of contents/container to an approved waste disposal plant

## WARNING

#### Active ingredient

Chlorantraniliprole (anthranilic diamide) – 200 g/L

#### Aktiewe bestanddeel

chlorantranilipool (antraniliese diamied) – 200 g/L

Net Volume

200ml, 1L

Netto Volume

#### REGISTRATION HOLDER/REGISTRASIEHOUER

FMC Chemicals (Pty) Ltd

Company Registration Number: 1988/001451/07

West End Office Park

Building C

Cnr West Ave & Hall Street

Centurion, 0014

Telephone number: +27 (76) 875 4432

[www.ag.fmc.com/za/en](http://www.ag.fmc.com/za/en)

Batch Number

Date of Manufacture

Expiry Date

Printed on Container

Printed on Container

3 Years from date of manufacture

Lot Nummer

Datum van Vervaardiging

Vervaldatum

UN Number/VN Nommer

3082

**For any emergency or poisoning contact: Griffon Poison Information Centre (24 hrs)**

**Vir enige noodgeval of vergiftiging kontak Griffon vergiftiging Inligtingsentrum (24 hr)**

**+27-(0)-82-446-8946**

## **WARNINGS:**

### **HAZARD STATEMENTS:**

- Very toxic to aquatic life with long lasting effects.

## **WITHHOLDING PERIODS:**

- The following minimum number of days (withholding periods) between last application and harvest must be adhered to:

<b>Maize &amp; Sweetcorn</b>	<b>7 days</b>
<b>Sorghum</b>	<b>21 days</b>
<b>Soybeans</b>	<b>21 days</b>

Handle with care.

- This product is not likely to be hazardous by inhalation or skin contact.
- This product is toxic to aquatic invertebrates.
- Keep out of the reach of children, uninformed persons and animals.
- Store in the closed labelled original container at temperatures not exceeding 25°C away from food and feed.
- 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.
- Optimal systemic activity of **AMICOR® Insect Control** depends on translocation of the active ingredients inside the treated plant. Therefore reduced efficacy may occur when stress factors such as drought impairs translocation.
- The withholding period or pre-harvest interval (PHI), i.e. number of days between last application and harvest, meets local maximum residue limits (MRL's), but may not necessarily meet all those for export crops.

## **DISCLAIMER:**

**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 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 immediately in the event of any uncertainty.**

## **PRECAUTIONS:**

### **PRECAUTIONARY STATEMENTS:**

- Avoid release to the environment
- Collect spillage
- Dispose of contents/container to an approved waste disposal plant

## **HAZARDOUS INGREDIENTS:**

Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

- Do not inhale spray mist.
- Do not enter treated areas until the sprayed solution has dried.
- Persons in contact with the insecticide should wear protective clothing (long-sleeved shirts and long pants, shoes with socks and gloves).
- Wash yourself after application of the product.
- Wash contaminated clothing after working with the product.

- In case of eye contact wash immediately with plenty of water.
- In case of ingestion call a physician or poison centre.
- Do not eat, drink or smoke whilst applying or mixing, or before washing hands and face.
- Prevent contamination of feed, food, eating utensils and drinking water.
- **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.**
- Clean applicator after use and dispose of wash water where it will not contaminate crops, grazing, food or water.
- **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 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.

### **FIRST AID MEASURES:**

#### ***General advice:***

Never give anything by mouth to an unconscious person.

#### ***Inhalation:***

No hazards which require special first aid measures. Consult a physician after significant exposure.

#### ***Skin contact:***

No hazards which require special first aid measures. If on skin, rinse well with water. Wash contaminated clothing before re-use.

#### ***Eye contact:***

Hold eye open and rinse slowly and gently with water for 15-20 minutes. If eye irritation persists, consult a specialist.

#### ***Ingestion:***

No hazards which require special first aid measures. Consult a physician if necessary.

### **RESISTANCE STATEMENT:**

**AMICOR®** contains chlorantraniliprole, a Group 28 insecticide, based on the international IRAC\* Mode of Action classification. Repeated and exclusive use of **AMICOR®** or other Group 28 Insecticides may create resistant insect populations. Follow these recommendations to prevent or delay the development of insecticide resistance to **AMICOR®**:

- Do not apply more than the recommended applications of **AMICOR®** per season for any crop. Refer to "Directions for use" for the particular crop guidelines.
- Apply **AMICOR®** or other Group 28 insecticides using a "window" approach to avoid exposure of multiple successive pest generations to the same mode of action. A window is defined as the period of residual activity with insecticides of the same mode of action within an approximate 30 day period.
- Two successive applications of **AMICOR®** may be made within a treatment window to protect new growth or control high pest populations.
- Following a window of use with **AMICOR®** or other Group 28 insecticides, rotate to a window using effective insecticides with a different mode of action.
- The period between group 28 "treatment windows" should be at least 60 days starting from the last application of group 28 insecticides.
- Incorporate IPM practices (cultural and biological control) into the pest management program.
- Monitor insect populations for loss of field efficacy.
- Target the most sensitive life stage of the pest, typically small larvae.
- If you experience difficulty with control, and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternate method of control for your area.

\*IRAC - Insecticide Resistance Action Committee. For additional information on insect resistance visit the web at <http://www.ircac-online.org>.

### **IPM AND BENEFICIAL AND OTHER NON-TARGET INSECTS:**

FMC supports the use of Integrated Pest Management (IPM) programs to control insect pests. This product may be used as part of an IPM program, 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, 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.

Chlorantraniliprole is a product that is highly effective in the control of insects and may cause adverse effects to non-target organisms and aquatic invertebrates. To avoid harm, caution must be used in areas where desirable non-target species may be present.

To comply with Good Agricultural Practices:

- Do not spray when pollinators are active.
- Do not apply near or directly to water.
- Do not allow product to drift.

Read and follow the label in its entirety for directions for use and additional precautionary information. Understand and implement Good Agricultural Practices when using this product. Consult your local Extension Agent, Crop Consultant or FMC representative for additional information on Good Agricultural Practices.

This product is toxic to silkworms. Do not allow product to drift to silkworm production areas or mulberry orchards. To avoid harm, caution must be used in areas where desirable non-target species may be present.

### **GENERAL INFORMATION:**

**AMICOR®** has a novel mode of action and acts by binding to and activating insect ryanodine receptors. This activation stimulates release and depletion of calcium from the internal stores of muscles, resulting in impaired muscle regulation, paralysis and ultimately insect death. Death of the pest occurs within 2-3 days, but inhibition of insect movement and feeding occurs rapidly.

**AMICOR®** is active as a larvicide through ingestion (stomach action) and through cuticular absorption (contact action).

**AMICOR®** controls mainly Lepidopteran insect pests, but also some insect pests in other Orders e.g. Coleoptera, Diptera etc.

### **RAINFASTNESS:**

**AMICOR®** has good rainfastness when exposed to rainfall or sprinkler irrigation and the expected residual activity of the product should not be adversely affected.

### **SPRAY DRIFT MANAGEMENT:**

Special care must be taken to avoid spray drifts outside the target area, or onto ponds, waterways or ditches. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly or under unfavourable environmental conditions. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that a drift is not occurring.

## **DIRECTIONS FOR USE:**

**USE ONLY AS DIRECTED**

### **COMPATIBILITY:**

The compatibility of **AMICOR®** has not been fully investigated.

### **TOMATOES & EGGPLANT:**

#### **AMICOR® is compatible with:**

Tanos® (SOUTH AFRICA Reg. No. L6564 Act No. 36 of 1947),  
Dithane™ M-45 800 WP NT (SOUTH AFRICA Reg. No. L7484 Act No. 36 of 1947, NAMIBIA Reg. No. N-AR 1043, Act No. 36 of 1947),  
Villa 51 (SOUTH AFRICA Reg. No. L8050 Act No. 36 of 1947),  
Entrée (SOUTH AFRICA Reg. No. L8055 Act No. 36 of 1947),  
*Consult the labels of the above-mentioned products for full particulars.*

### **POTATOES:**

#### **AMICOR® is compatible with:**

Tanos® (SOUTH AFRICA Reg. No. L6564 Act No. 36 of 1947),  
Dithane™ M-45 800 WP NT (SOUTH AFRICA Reg. No. L7484 Act No. 36 of 1947, NAMIBIA Reg. No. N-AR 1043, Act No. 36 of 1947),  
Villa 51 (SOUTH AFRICA Reg. No. L8050 Act No. 36 of 1947),  
H & R Crop Oil (SOUTH AFRICA Reg. No. L6802 Act No. 36 of 1947),  
Break-Thru (SOUTH AFRICA Reg. No. L6764 Act No. 36 of 1947),  
*Consult the labels of the above-mentioned products for full particulars.*

### **SUGARCANE:**

#### **AMICOR® is compatible with:**

Villa 51 (SOUTH AFRICA Reg. No. L8050 Act No. 36 of 1947),  
Entrée (SOUTH AFRICA Reg. No. L8055 Act No. 36 of 1947),  
*Consult the labels of the above-mentioned product for full particulars.*

### **MAIZE & SWEETCORN:**

#### **AMICOR® is compatible with:**

**H & R Crop Oil** (SOUTH AFRICA Reg. No. L6802 Act No. 36 of 1947),  
*Consult the label of the above-mentioned products for full particulars.*

For more compatibility information, or in the event of uncertainty, contact your nearest **FMC** representative.

It is recommended that users premix a small quantity of a desired tank mixture containing **AMICOR®** and observe for possible adverse changes (settling out, flocculation, etc.). Avoid tank mixtures of several products.

### **TANK MIXING:**

Spray equipment must be clean and free of previous pesticide deposits before applying **AMICOR®**. Fill spray tank ¼ to ½ full with clean water. Add the required amount of **AMICOR®** directly into the tank and fill with water whilst stirring constantly.

### **TANK MIXING SEQUENCE:**

Add different formulation types in the sequence indicated below\*. Allow time for complete mixing and dispersion after addition of each product.

1. Water soluble bag.
2. Water dispersible granules.
3. Wettable powders.
4. **AMICOR®** and other water based suspension concentrates.
5. Water-soluble concentrates.
6. Oil based suspension concentrates.
7. Emulsifiable concentrates.
8. Adjuvants, surfactants, oils.
9. Soluble fertilizers.

## 10. Drift retardants.

\* Unless otherwise specified by manufacturer directions for use or by local experience.

### **GROUND APPLICATION:**

Apply **AMICOR®** as a high volume full cover application with conventional spray equipment which is correctly calibrated to provide thorough coverage of the target crop and correct dosage rate per hectare. In tomatoes **AMICOR®** can be applied either as high volume full cover application or reduced volume mistblower application in a minimum 500 litres spray mixture per hectare.

### **AERIAL APPLICATION:**

Aerial application of **AMICOR®** may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SANS 10118:2009 (Aerial Application of Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- Volume: A spray mixture volume of at least 30 litres per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- Droplet coverage: 30 to 40 droplets per cm<sup>2</sup> must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 250 to 280 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.
- Flying height: Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking.
- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8 °C.
- Stop spraying if the wind speed exceeds 15 km/h.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to the following:
  - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
  - damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the Aerial Spray Operator knows exactly which fields to spray.

Obtain an assurance from the Aerial Spray Operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

### **MAXIMUM RESIDUE LEVELS**

Maximum Residue Levels (MRL) and Import tolerances for crops treated with **AMICOR®** may be pending in some countries. Consult with your exporter or local distributor before applying **AMICOR®** to export crops.

CROP/PEST	APPLICATION RATE	RECOMMENDATIONS/REMARKS
<p><b>MAIZE &amp; SWEETCORN:</b></p> <p>African bollworm (larvae) <i>Helicoverpa armigera</i></p> <p>Maize stalk borers (larvae) <i>Busseola fusca</i>, <i>Chilo partellus</i></p> <p>Fall Armyworm (larvae) <i>Spodoptera frugiperda</i></p>	<p><b>FOLIAR APPLICATION (GROUND):</b></p> <p>150 ml/ha</p>	<p>Apply <b>AMICOR®</b> in a volume of 450 L water per hectare.</p> <p><b>FOR FALL ARMYWORM:</b> Apply at the beginning of infestation, at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves. <b>Application is NOT recommended for control of worms (larvae) larger than 1 cm.</b></p> <p><b>FOR AFRICAN BOLLWORM &amp; MAIZE STALK BORERS:</b> For best plant protection, apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage. Apply over the funnel of the plants and ensure thorough coverage of the foliage.</p> <p>Apply at a 14 day interval.</p> <p>Do not exceed 2 applications per season in total of <b>AMICOR®</b>. The alternation of <b>AMICOR®</b> with products having a different mode of action (e.g. <b>STEWARD® 150 EC</b>) is recommended. The addition of a suitable adjuvant, such as H&amp;R Crop oil at the registered rates, may enhance efficacy.</p> <p>Allow 7 days between last <b>AMICOR®</b> application and harvest.</p>
<p><b>MAIZE &amp; SWEETCORN: (continue)</b></p> <p>African bollworm (larvae) <i>Helicoverpa armigera</i></p> <p>Maize stalk borers (larvae) <i>Busseola fusca</i>, <i>Chilo partellus</i></p> <p>Fall Armyworm (larvae) <i>Spodoptera frugiperda</i></p>	<p><b>GROUND APPLICATION OVER THE PLANT ROW:</b></p> <p>1.5 ml/100 m plant row</p>	<p>Apply <b>AMICOR®</b> in 3 ℓ water per 100 m plant row.</p> <p><b>FOR FALL ARMYWORM:</b> Apply at the beginning of infestation, at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves. <b>Application is NOT recommended for control of worms (larvae) larger than 1 cm.</b></p> <p><b>FOR AFRICAN BOLLWORM &amp; MAIZE STALK BORERS:</b> For best plant protection, apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage. Apply over the funnel of the plants and ensure thorough coverage of the foliage.</p> <p>Repeat after 14 days if re-infestation occurs.</p> <p>Do not exceed 2 applications per season in total of <b>AMICOR®</b>. The alternation of <b>AMICOR®</b> with products having a different mode of action (e.g. <b>STEWARD® 150 EC</b>) is recommended.</p> <p>The addition of a suitable adjuvant, such as H&amp;R Crop oil at the registered rates, may enhance efficacy.</p> <p>Allow 7 days between last <b>AMICOR®</b> application and harvest.</p>
<p><b>MAIZE &amp; SWEETCORN: (continue)</b></p> <p>African bollworm (larvae) <i>Helicoverpa armigera</i></p> <p>Maize stalk borers (larvae) <i>Busseola fusca</i>, <i>Chilo partellus</i></p> <p>Fall Armyworm (larvae) <i>Spodoptera frugiperda</i></p>	<p><b>FOLIAR APPLICATION (AERIAL):</b></p> <p>150 ml/ha</p>	<p>Apply <b>AMICOR®</b> in a minimum volume of 30 L water per hectare.</p> <p><b>FOR FALL ARMYWORM:</b> Apply at the beginning of infestation, at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves. <b>Application is NOT recommended for control of worms (larvae) larger than 1 cm.</b></p> <p><b>FOR AFRICAN BOLLWORM &amp; MAIZE STALK BORERS:</b> For best plant protection, apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage. Apply over the funnel of the plants and ensure thorough coverage of the foliage.</p> <p>Apply at a 14 day interval.</p> <p>Do not exceed 2 applications per season in total of <b>AMICOR®</b>. The alternation of <b>AMICOR®</b> with products having a different mode of action (e.g. <b>STEWARD® 150 EC</b>) is recommended. The addition of a suitable adjuvant, such as H&amp;R Crop oil at the registered rates, may enhance efficacy.</p> <p>Allow 7 days between last <b>AMICOR®</b> application and harvest.</p>

CROP/PEST	APPLICATION RATE	RECOMMENDATIONS/REMARKS
<p><b>MAIZE &amp; SWEETCORN: (continue)</b></p> <p>African bollworm (larvae) <i>Helicoverpa armigera</i></p> <p>Maize stalk borers (larvae) <i>Busseola fusca</i>, <i>Chilo partellus</i></p> <p>Fall Armyworm (larvae) <i>Spodoptera frugiperda</i></p>	<p><b>CENTER PIVOT:</b></p> <p>150 ml/ha</p>	<p><b>FOR FALL ARMYWORM:</b> Apply at the beginning of infestation, at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves. <b>Application is NOT recommended for control of worms (larvae) larger than 1 cm.</b></p> <p><b>FOR AFRICAN BOLLWORM &amp; MAIZE STALK BORERS:</b> For best plant protection, apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage. Apply over the funnel of the plants and ensure thorough coverage of the foliage.</p> <p><b>Ensure that the pivot irrigation system complies with the following specifications before application starts:</b></p> <p>The distribution coefficient of the pivot irrigation system must be &gt;90%, and the pivot should not apply more than 5mm (50 000 l) per hectare at maximum speed.</p> <p>Clean all the sieves of the pivot irrigation system before starting application. Calibrate the injection pump of the pivot irrigation system according to the time it takes for the pivot irrigation system to complete one full circle.</p> <p>Set the pivot irrigation system to maximum speed so that as little water as possible (not more than 5 mm) is applied per hectare.</p> <p>Mix the <b>AMICOR®</b> with water in the application tank. Stir the spray mixture continuously before and during application.</p> <p>Inject the <b>AMICOR®</b> spray mixture into the main application line of the pivot irrigation system as soon as the irrigation system reaches maximum speed. Mark the position on the land when the spray mixture reaches the furthest end of the pivot irrigation system.</p> <p>Allow the pivot irrigation system to complete one full circle from the aforementioned point.</p> <p>Apply at a 14 day interval.</p> <p>Do not exceed 2 applications per season in total of <b>AMICOR®</b>. The alternation of <b>AMICOR®</b> with products having a different mode of action (e.g. <b>STEWARD® 150 EC</b>) is recommended.</p> <p>When <b>AMICOR®</b> is applied through a center pivot irrigation system the addition of an adjuvant is not necessary. However, if an adjuvant is added, use a mineral oil type like H&amp;R Crop Oil at registered application rates and follow the recommended tank mix sequence.</p> <p>Allow 7 days between last <b>AMICOR®</b> application and harvest.</p>



**IMPORTANT NOTES APPLICABLE TO STALK BORER, STEM BORER, AFRICAN BOLLWORM AND FALL ARMYWORM CONTROL WITH AMICOR® IN MAIZE:**

**NB:** Do not apply AMICOR® on maize that are under drought stress.

**To ensure optimum results, application must take place early in the morning when dew is present.**

**Larvae that have already tunnelled into the funnels will not be controlled by AMICOR®.**

Do not exceed 2 applications per season with AMICOR®. Two applications can be made consecutively after which other mode of action insecticide must be used.

**Stalk borer (*Busseola fusca*) larvae:**

**Commercial maize:**

Apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage symptoms in the maize funnels, which are caused by small feeding larvae.

**Sweetcorn:**

Apply when egg laying starts, or with the first signs of shot hole damage symptoms on the maize funnels.

**NB: Application must be done before larvae migrate to the stems of the maize plants and when larvae are smaller than the 2nd larval instar. Do not apply AMICOR® on maize against stalk borer while the tassel is encircled by the flag leaf.**

**Sorghum stem borer (*Chilo partellus*) larvae:**

**Commercial maize:**

Apply when eggs are found on 2,5% of the plants, or when 5% of the plants are showing shot hole damage symptoms on the maize funnels, which are caused by small feeding larvae.

**Sweetcorn:**

Apply when egg laying starts or with the first signs of shot hole damage symptoms on the maize funnels.

**NB: Application must be done before larvae migrate to the stems of the maize plants and when larvae are smaller than the 2nd larval instar. Do not apply AMICOR® on maize against stalk borer whilst the tassel is encircled by the flag leaf.**

**African bollworm (*Helicoverpa armigera*) larvae:**

**Funnel infestation:**

Apply as for stalk borer (see notes above).

**Cob infestation:**

Apply when first larvae are observed on the beard (silk) during cob formation. Larvae that are already deep within the beard or have migrated into the cobs will not be controlled.

**Fall armyworm (*Spodoptera frugiperda*) larvae:**

Apply at the beginning of infestation and at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves.

**Application is NOT recommended for control of worms (larvae) larger than 1 cm.**

**NB:** Application must be done before larvae migrate into the cobs of the maize plants. Larvae that are already deep within the beard or have migrated into the cobs will not be controlled.

<p><b>SORGHUM:</b></p> <p>Maize stalk borers (larvae) <i>Busseola fusca</i>, <i>Chilo partellus</i></p> <p>Fall Armyworm (larvae) <i>Spodoptera frugiperda</i></p>	<p><b>FOLIAR APPLICATION (GROUND):</b></p> <p>150 ml/ha</p>	<p>Apply AMICOR® in a volume of 250 - 400 L water per hectare.</p> <p><b>FOR FALL ARMYWORM:</b> Apply at the beginning of infestation, at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves.</p> <p><b>Application is NOT recommended for control of worms (larvae) larger than 1 cm.</b></p> <p><b>FOR AFRICAN BOLLWORM &amp; MAIZE STALK BORERS:</b> For best plant protection, apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage. Ensure thorough coverage of the foliage.</p> <p>Apply at a 7 day interval.</p> <p>Do not exceed 2 applications per season in total of AMICOR®.</p> <p>The alternation of AMICOR® with products having a different mode of action (e.g. STEWARD® 150 EC) is recommended.</p> <p>The addition of a suitable registered adjuvant at the registered rate, may enhance efficacy.</p> <p>Allow 21 days between last AMICOR® application and harvest.</p>
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<p><b>SORGHUM: (continue)</b></p> <p>Maize stalk borers (larvae) <i>Busseola fusca</i>, <i>Chilo partellus</i></p> <p>Fall Armyworm (larvae) <i>Spodoptera frugiperda</i></p>	<p><b>FOLIAR APPLICATION (AERIAL):</b></p> <p>150 ml/ha</p>	<p>Apply <b>AMICOR®</b> in a minimum volume of 30 L water per hectare.</p> <p><b>FOR FALL ARMYWORM:</b> Apply at the beginning of infestation, at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves. <b>Application is NOT recommended for control of worms (larvae) larger than 1 cm.</b></p> <p><b>FOR AFRICAN BOLLWORM &amp; MAIZE STALK BORERS:</b> For best plant protection, apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage. Ensure thorough coverage of the foliage. Apply at a 7 day interval. Do not exceed 2 applications per season in total of <b>AMICOR®</b>. The alternation of <b>AMICOR®</b> with products having a different mode of action (e.g. <b>STEWARD® 150 EC</b>) is recommended. The addition of a suitable registered adjuvant at the registered rate, may enhance efficacy. Allow 21 days between last <b>AMICOR®</b> application and harvest.</p>
<p><b>SORGHUM: (continue)</b></p> <p>Maize stalk borers (larvae) <i>Busseola fusca</i>, <i>Chilo partellus</i></p> <p>Fall Armyworm (larvae) <i>Spodoptera frugiperda</i></p>	<p><b>CENTER PIVOT:</b></p> <p>150 ml/ha</p>	<p><b>FOR FALL ARMYWORM:</b> Apply at the beginning of infestation, at the first signs of damage, when no more than 5 % of the plants have symptoms of scraped leaves. <b>Application is NOT recommended for control of worms (larvae) larger than 1 cm.</b></p> <p><b>FOR AFRICAN BOLLWORM &amp; MAIZE STALK BORERS:</b> For best plant protection, apply during the egg-laying until the very first eggs are hatching, but no later than when 5% of the plants show shot hole damage. Ensure thorough coverage of the foliage. <b>Ensure that the pivot irrigation system complies with the following specifications before application starts:</b> The distribution coefficient of the pivot irrigation system must be &gt;90%, and the pivot should not apply more than 5mm (50 000 l) per hectare at maximum speed. Clean all the sieves of the pivot irrigation system before starting application. Calibrate the injection pump of the pivot irrigation system according to the time it takes for the pivot irrigation system to complete one full circle. Set the pivot irrigation system to maximum speed so that as little water as possible (not more that 5 mm) is applied per hectare. Mix the <b>AMICOR®</b> with water in the application tank. Stir the spray mixture continuously before and during application. Inject the <b>AMICOR®</b> spray mixture into the main application line of the pivot irrigation system as soon as the irrigation system reaches maximum speed. Mark the position on the land when the spray mixture reaches the furthest end of the pivot irrigation system. Allow the pivot irrigation system to complete one full circle from the aforementioned point. Apply at a 7 day interval. Do not exceed 2 applications per season in total of <b>AMICOR®</b>. The alternation of <b>AMICOR®</b> with products having a different mode of action (e.g. <b>STEWARD® 150 EC</b>) is recommended. When <b>AMICOR®</b> is applied through a center pivot irrigation system the addition of an adjuvant is not necessary. However, if an adjuvant is added, use a mineral oil type like H&amp;R Crop Oil at registered application rates and follow the recommended tank mix sequence. Allow 21 days between last <b>AMICOR®</b> application and harvest.</p>

<p><b>SOYBEANS:</b></p> <p>African bollworm (larvae) <i>Helicoverpa armigera</i></p> <p>Semi-(Plusia) looper <i>Chrysodeixis acuta</i></p>	<p><b>FOLIAR APPLICATION (GROUND):</b></p> <p>150 ml/ha</p>	<p>Apply in 300–700 l water per hectare in soybeans. Ensure thorough, even coverage of the foliage.</p> <p>Apply <b>AMICOR®</b> at flowering or when the first bollworm eggs or small larvae are observed following regular scouting during flowering and pod-set stages.</p> <p>A follow-up application 7 days later will normally be necessary if the first application is made at the early flowering stage or under conditions of continuous re-infestation.</p> <p>Larvae that have penetrated the pods or are obscured by dense foliage during application may not be adequately controlled. It is therefore essential to ensure thorough coverage of the foliage.</p> <p>The <i>Spodoptera</i> leaf worm (<i>Spodoptera littoralis</i>) should also be controlled in soybeans if present during application.</p> <p>Do not exceed 2 applications per season in total of <b>AMICOR®</b>. The alternation of <b>AMICOR®</b> with products having a different mode of action (e.g. <b>STEWARD® 150 EC</b>) is recommended.</p> <p>The addition of a suitable registered adjuvant at the registered rate, may enhance efficacy.</p> <p>Allow 21 days between last <b>AMICOR®</b> application and harvest.</p>
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**ACKNOWLEDGEMENT OF REGISTERED PRODUCTS:**

- H & R Crop Oil (**SOUTH AFRICA** Reg. No. L6802, Act 36 of 1947) is the registered product of H & R South African Sales (Pty) Ltd
- Break-Thru (**SOUTH AFRICA** Reg. No. L6764, Act 36 of 1947) is the registered product of Evonik Degussa African (Pty) Ltd
- Entrée (**SOUTH AFRICA** Reg. No. L8055, Act 36 of 1947) is the registered product of Miller Chemicals SA (Pty) Ltd
- Villa 51 (**SOUTH AFRICA** Reg. No. L8050, Act 36 of 1947) is the registered product of Villa Crop Protection (Pty) Ltd
- Dithane™ M-45 800 WP NT (**SOUTH AFRICA** Reg. No. L7484, Act No. 36 of 1947; **NAMIBIA** Reg. No. N-AR 1043, Act No. 36 of 1947) is the registered product of Dow Agrosciences.
- Tanos® (**SOUTH AFRICA** Reg. No. L6564 Act No. 36 of 1947) is the registered product of Corteva South Africa (Pty) Ltd.
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