



syngenta

Reg. No. **L8685** Act No. 36 of 1947 **N-AR 1259** (Namibia) **W130611** (Botswana)

**A** translaminal, encapsulated suspension flowable concentrate insecticide with contact and stomach action for the control of various pests on crops as listed.

GROUP	28 3A	INSECTICIDE
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**Active Ingredients:**

chlorantraniliprole..... 100 g/l  
lambda-cyhalothrin (pyrethroid).. 50 g/l

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**WARNING**

**Hazard statements:**

Harmful if swallowed or if inhaled. Very toxic to aquatic life with long-lasting effects.

**Precautionary statements:**

Wash skin thoroughly after handling. Avoid breathing dust/fumes/gas/mist/vapours/spray. Do not eat, drink, or smoke when using this product. **Response:** If inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell.

**Disposal:** Collect spillage.

**EMERGENCY TEL NO.:**

**+27 82 446 8946 (Griffon)**

**UN 3082**

Registration holder  
**Syngenta South Africa (Pty) Ltd**  
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Private Bag X 60  
HALFWAY HOUSE, 1685  
Tel.: +27 11 541 4000

**1. WARNINGS:**

**Hazard statement:** Harmful if swallowed or if inhaled. Very toxic to aquatic life with long-lasting effects.

**Withholding periods:** Minimum number of days between last application and harvest or grazing.

<b>BARLEY</b> .....	<b>3 days</b>
<b>CANOLA</b> .....	<b>21 days</b>
<b>CRUCIFERAE</b> .....	<b>3 days</b>
<b>CUCURBIT GROUP</b> .....	<b>1 day</b>
<b>EGGPLANT</b> .....	<b>5 days</b>
<b>GRAIN SORGHUM</b> .....	<b>14 days</b>
<b>GROUNDNUTS</b> .....	<b>14 days</b>
<b>LEGUME VEGETABLES</b> (dried shelled).....	<b>21 days</b>
<b>LEGUME VEGETABLES</b> (edible podded and succulent shelled).....	<b>7 days</b>
<b>LETTUCE</b> .....	<b>1 day</b>
<b>MAIZE</b> .....	<b>14 days</b>
<b>PEPPERS</b> (capsicum group).....	<b>1 day</b>
<b>POTATOES</b> .....	<b>3 days</b>
<b>SOYBEANS</b> .....	<b>14 days</b>
<b>STONE FRUIT</b> .....	<b>14 days</b>
<b>SUGARCANE</b> .....	<b>23 days</b>
<b>SUNFLOWERS</b> .....	<b>14 days</b>
<b>SWEETCORN</b> .....	<b>1 day</b>
<b>TOMATOES</b> .....	<b>3 days</b>
<b>TREE NUTS</b> .....	<b>14 days</b>
<b>TUBER VEGETABLES</b> .....	<b>14 days</b>
<b>WHEAT</b> .....	<b>14 days</b>

- Handle with care.
- Harmful if swallowed.
- May cause tingling/numbness in exposed skin areas (paraesthesia).
- Not harmful to birds.
- Very toxic to fish and aquatic organisms.
- Toxic to bees - DO NOT spray when bees are active or on flowering crops.
- Store in original container, away from sun and damp, in a cool place, away from food and feed. Store locked away.
- Keep out of reach of children, uninformed persons and animals.

- Unprotected workers must vacate the area being treated.
- **In case of poisoning:** Call a doctor and present this label.
- **Re-entry:** Do not enter treated area for 24 hours 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 because 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 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 and the environment, or harm to people or animals 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, that could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

**2. PRECAUTIONS:**

**Precautionary statements:** Wash skin thoroughly after handling. Avoid breathing dust/fumes/gas/mist/vapours/spray. Do not eat, drink, or smoke when using this product. **Response:** If inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell. **Disposal:** Collect spillage.

- Avoid eye and skin contact.
- Do not inhale spray mist.
- Wash with soap and water immediately after use.
- Wash contaminated clothing after use. Wash yourself.
- Do not eat, drink, or smoke while mixing or applying the product or before washing hands and face.
- Wear suitable protective clothing when handling the concentrate or mixing (protective gloves, boots and a face shield).
- Avoid excessive drift - do not treat if wind velocity exceeds two (2) meters per second (7 km/h).
- Clean applicator after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.

- Prevent contamination of food, feed, drinking water and eating utensils.
- Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter, rinse the container three (3) times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsate to the contents of the spray tank before destroying the container in the prescribed manner.
- Do not use the empty container for any other purpose.

#### First Aid and Medical Treatment:

**If poisoning is suspected, stop working immediately and call a poison control centre/doctor. Present this label.**

- **Skin contact:** Remove contaminated clothing and thoroughly wash the effected parts of the body with soap and water.
- **Eye contact:** Rinse eyes with clean water for several minutes.
- **Inhalation:** Move to clean air.
- **Ingestion:** Repeatedly administer medical charcoal in plenty of water. Seek medical advice immediately if a large volume of concentrate was ingested.

**Note:** Never give anything to an unconscious patient and never induce vomiting.

**Antidote:** No specific antidote is known; apply symptomatic therapy. If the amount of chemical is judged to be less than a lethal dose, observe the patient and treat symptomatically. If gastric lavage is considered necessary, prevent aspiration of gastric material. Consider administration of active charcoal and a laxative.

#### 3. RELEVANT SUBSTANCES:

Chemical name	
lambda-cyhalothrin (ISO)	
Classification	Concentration (% w/w)
Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 3; H311 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	≥ 2,5 - < 10
M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	

#### 4. RESISTANCE MANAGEMENT:

**AMPLIGO** is a group code 3A and 28 insecticide. Any insect population may contain individuals naturally resistant to **AMPLIGO** and other group code 3A and 28 insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly and exclusively in programs. **AMPLIGO** or any other group code 3A and 28 insecticides may not control these resistant insects.

##### 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.
- Integrate other control methods (chemical, cultural, biological) into insect control programs.

As a result of its unique mode of action, **AMPLIGO** is ideally suited for applications where resistance management is important. These guidelines will maximise the effective life of the product:

1. Where appropriate, alternate **AMPLIGO** with compounds from different chemical classes (oxadiazine, organophosphate, neonicotinoid, spinosyn, diacylhydrazine or other insect growth regulators). We recommend alternation with registered products from these classes and not to exceed the maximum number of **AMPLIGO** applications per season as per the instructions under DIRECTIONS FOR USE on this label.
2. Monitor insect populations and apply **AMPLIGO** according to the label instructions when locally determined economic thresholds are reached. It is recommended that 2 - 3 consecutive **AMPLIGO** applications are applied as a block spray. Follow these label recommendations precisely for the dosage rates, spray intervals and the optimum timing to apply **AMPLIGO**.

**Syngenta cannot accept responsibility for any losses that may result from the failure to control pests resistant to AMPLIGO.**

**For specific information on resistance management contact the registration holder of this product.**

#### 5. PRODUCT PROPERTIES:

**AMPLIGO** is effective for the control of *lepidoptera larvae*. **AMPLIGO** is long-lasting and works through ingestion, contact, ovicidal and ovi-larvicidal activity. **AMPLIGO** is effective against *lepidoptera larvae* resistant to organophosphates, pyrethroids and insect growth regulators. After **AMPLIGO** ingestion, larval feeding stops immediately leading to death.

#### 6. DIRECTIONS FOR USE: Use only as indicated.

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.

##### 6.1 General Directions

###### Aerial application

**Precautions:** Aerial application of this product on capsicums (peppers), cruciferae, cucurbits, eggplant, grain sorghum, legume vegetables, lettuce, maize, stone fruits, sugarcane, sweetcorn, tree nuts and tuber vegetables may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS 10118 (Aerial Application of Agricultural Remedies). It is important to 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 are met:



a) Application parameters:

- **Volume:** A minimum volume of 30 ℓ/ha 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 the product is applied aerially at a lower volume rate than recommended above.
- **Droplet coverage:** Droplet coverage of 25 - 30 droplets per cm<sup>2</sup> must be recovered at the target.
- **Droplet size:** A droplet spectrum with a VMD of 280 - 300 microns is recommended. Ensure that the production of fine droplets (less than 150 microns - high drift and evaporation potential) is restricted to a minimum.
- **Flying height:** The height of the spray boom should be maintained at 3 - 4 metres above the target. Do not spray when aircraft is in a climb, at the top, during a dive, or when banking.

b) Equipment:

- Use suitable atomising equipment (hydraulic nozzles or rotary atomisers) that will produce the desired droplet size and coverage but which will ensure the minimum loss of product either through endodrift (within target field) or exodrift (outside target field).
- The operator must use a set-up that will produce a droplet spectrum with the lowest possible relative span.
- All nozzles/atomisers should be positioned within the inner 60 - 75% of the wingspan to prevent droplets from entering the wingtip vortices.

c) Meteorological conditions:

- The difference in temperature between the wet and dry bulb thermometers of a whirling hygrometer should not exceed 8°C. The addition of a suitable anti-evaporant is recommended if the VMD of the droplets is less than 200 - 250 microns.
- Stop spraying if the wind speed exceeds 15 km/h.
- Aerial application of this product must not be done under turbulent, unstable conditions during the heat of the day when rising thermals and downdraughts occur. Also note that the application of this product under temperature inversion conditions (spraying in or above the inversion layer) 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 the movement of the suspended spray cloud away from the target field.

**Obtain assurance from the aerial operator that the above requirements will be met.**

## 6.2 Mixing Instructions

- Fill the spray tank to a quarter with clean water.
- Measure out the required quantity of **AMPLIGO** and add to the tank.
- Fill spray tank with water while maintaining agitation to ensure thorough mixing.
- Maintain agitation during spraying.
- Use the prepared mixture immediately.
- Do not prepare more spray mixture than is needed for immediate application.
- Do not allow to stand overnight.

## 6.3 Application Rates

**DO NOT** apply when bees are active.

### BARLEY

Pest	Dosage	Recommendations
<b>African bollworm</b> <i>(Helicoverpa armigera)</i> <b>Armyworms</b> <i>(Spodoptera spp.)</i> <b>False armyworm</b> <i>(Leucania loreyi)</i>	150 mℓ/ha	<ul style="list-style-type: none"> <li>• Apply at first sign of infestation, or apply preventatively, starting at flag leaf emergence, and follow up 7 - 10 days later with a second application.</li> <li>• Apply 200 - 400 ℓ/ha spray mixture.</li> <li>• Apply a maximum of two (2) applications per season.</li> </ul>

### CANOLA

Pest	Dosage	Recommendations
<b>African bollworm</b> <i>(Helicoverpa armigera)</i> <b>Diamond back moth</b> <i>(Plutella xylostella)</i> <b>Armyworms</b> <i>(Spodoptera spp.)</i> <b>False armyworm</b> <i>(Leucania loreyi)</i>	100 - 200 mℓ/ha	<ul style="list-style-type: none"> <li>• Apply at first sign of infestation, and follow up 7 - 10 days later with a second application.</li> <li>• Apply 200 - 400 ℓ/ha spray mixture.</li> <li>• Apply a maximum of two (2) applications per season.</li> </ul>

### CRUCIFERAE

(Cabbage group. Includes broccoli, brussel sprouts, cabbage and cauliflower)

Pest	Dosage	Recommendations
<b>Diamond back moth</b> <i>(Plutella xylostella)</i> <b>African bollworm</b> <i>(Helicoverpa armigera)</i> <b>Semi-loopers</b> <i>(Chrysodeixis sp., Trichoplusia spp.)</i> <b>Greater cabbage moth</b> <i>(Crociodolomia pavonana)</i> <b>Cutworms</b> <i>(Agrotis spp.)</i> <b>Armyworms</b> <i>(Spodoptera spp.)</i> <b>Stink bugs and Bagrada bug</b>	100 - 200 mℓ/ha	<ul style="list-style-type: none"> <li>• Apply before pests reach damaging levels based on economic thresholds. Scout fields and repeat sprays if populations start to rebuild, with a minimum of five (5) days between applications.</li> <li>• Do not make more than four (4) applications per season.</li> <li>• Add a wetting agent to waxy cruciferous crops.</li> </ul> <p><b>Ground application</b></p> <ul style="list-style-type: none"> <li>• Use sufficient water to obtain full-coverage of foliage.</li> <li>• Apply in a minimum of 90 ℓ water/ha.</li> </ul>

**CRUCIFERAE** cont.

Pest	Dosage	Recommendations
<i>(Bagrada hilaris)</i> <b>Thrips</b> excluding <i>Frankliniella occidentalis</i> and <b>whiteflies</b> [suppression only - 60 - 90% contro]	100 - 200 ml/ha	<b>Aerial application</b> <ul style="list-style-type: none"> <li>Apply in 30 - 40 l water/ha.</li> </ul>

**CUCURBIT GROUP**

(Includes gherkins, cucumbers, muskmelon, melon, pumpkin, baby marrows, butternut, squash and watermelon)

Pest	Dosage	Recommendations
<b>Cutworms</b> ( <i>Agrotis</i> spp.)	100 - 200 ml/ha	<ul style="list-style-type: none"> <li>Apply before pests reach damaging levels based on economic thresholds.</li> <li>Scout fields and repeat sprays if populations start to rebuild, with a minimum of five (5) days between applications.</li> <li>Do not make more than four (4) applications per season.</li> <li>Do not use an adjuvant with applications of <b>AMPLIGO</b> to cucurbits, except on cucumbers and gherkins.</li> </ul>
<b>Armyworms</b> ( <i>Spodoptera</i> spp.)		
<b>Semi-loopers</b> ( <i>Trichoplusia</i> spp.)		
<b>African bollworm</b> ( <i>Helicoverpa armigera</i> )		
<b>Leafminers</b> ( <i>Liriomyza</i> spp.)		
<b>Pumpkin flies</b> ( <i>Dacus</i> spp.)		
<b>Stink bugs</b>		
<b>Thrips</b> excluding <i>frankliniella occidentalis</i> and <b>whiteflies</b> [suppression only - 60 - 90% control]		<p><b>Ground application</b></p> <ul style="list-style-type: none"> <li>Use sufficient water to obtain full-coverage of foliage.</li> <li>Apply in a minimum of 90 ℓ water/ha.</li> </ul> <p><b>Aerial application</b></p> <ul style="list-style-type: none"> <li>Apply in 30 - 40 ℓ water/ha.</li> </ul>

## EGGPLANT

Pest	Dosage	Recommendations
<b>Cutworms</b> ( <i>Agrotis</i> spp.)	100 - 200 ml/ha	<ul style="list-style-type: none"> <li>• Apply before pests reach damaging levels based on economic thresholds.</li> <li>• Scout fields and repeat sprays if populations start to rebuild, with a minimum of five (5) days between applications.</li> <li>• Do not make more than four (4) applications per season.</li> </ul>
<b>Armyworms</b> ( <i>Spodoptera</i> spp.)		
<b>Semi-loopers</b> ( <i>Trichoplusia</i> spp.)		
<b>African bollworm</b> ( <i>Helicoverpa armigera</i> )		
<b>Diamond back moth</b> ( <i>Plutella xylostella</i> )		

## EGGPLANT cont.

Pest	Dosage	Recommendations
<b>Leafminers</b> <b>Stink bugs</b> <b>Thrips</b> (excluding <i>Frankliniella occidentalis</i> ) and <b>whiteflies</b> [suppression only - 60 - 90% control]	100 - 200 ml/ha	<b>Ground application</b> <ul style="list-style-type: none"> <li>• Use sufficient water to obtain full-coverage of foliage.</li> <li>• Apply in a minimum of 90 ℓ water/ha.</li> </ul> <b>Aerial application</b> <ul style="list-style-type: none"> <li>• Apply in 30 - 40 ℓ water/ha.</li> </ul>
<b>Tomato leafminer moth</b> <i>(Tuta absoluta)</i>	400 ml/ha	<ul style="list-style-type: none"> <li>• Apply at first sign of infestation of larvae in the leaves, or first signs of leaf damage.</li> <li>• If necessary, repeat application 7 - 10 days later.</li> <li>• Apply a maximum of two (2) applications of <b>AMPLIGO</b> per crop per season.</li> </ul>

## GRAIN SORGHUM

[illegible]

## GROUNDNUTS

Pest	Dosage	Recommendations
<b>African bollworm</b> ( <i>Helicoverpa armigera</i> )	100 - 200 ml/ha	<ul style="list-style-type: none"> <li>• Apply at the first signs of infestation.</li> <li>• Apply 200 - 400 l/ha spray mixture.</li> <li>• Apply as a block of two (2) applications seven (7) days apart and then alternate with chemistry with a different mode of action, e.g., SORBA (L5343) plus PROCLAIM (L7581).</li> </ul>
<b>Armyworms</b> ( <i>Spodoptera</i> spp.)		
<b>False armyworm</b> ( <i>Leucania loreyi</i> )		

## LEGUME VEGETABLES

(Includes peas, green beans, dry beans, lentils and chickpeas. *Phaseolus* spp., *Pisum* spp., *Vigna* spp., *Vicia faba*, *Lupinus* spp. and *Lens esculata* - includes all cultivars)

Pest	Dosage	Recommendations
<b>Cutworms</b> ( <i>Agrotis</i> spp.) <b>Armyworms and tomato moth</b> ( <i>Spodoptera</i> spp.) <b>Semi-loopers</b> ( <i>Trichoplusia</i> spp.) <b>African bollworm</b> ( <i>Helicoverpa armigera</i> ) <b>Pumpkin flies</b> ( <i>Dacus</i> spp.) <b>Stink bugs</b> <b>Thrips</b> <b>Leafminers and whiteflies</b> [suppression only - 60 - 90% control]	100 - 200 ml/ha	<ul style="list-style-type: none"> <li>Apply at the first sign of infestation.</li> <li>Follow-up sprays should be applied at intervals of five (5) or more days.</li> <li>Do not make more than three (3) applications per season.</li> </ul> <b>Ground application</b> <ul style="list-style-type: none"> <li>Use sufficient water to obtain full-coverage of foliage.</li> <li>Apply in a minimum of 90 ℓ water/ha.</li> </ul> <b>Aerial application</b> <ul style="list-style-type: none"> <li>Apply in 30 - 40 ℓ water/ha.</li> </ul>

## LETTUCE

Pest	Dosage	Recommendations
<b>Cutworms</b> ( <i>Agrotis</i> spp.) <b>Armyworms</b> ( <i>Spodoptera</i> spp.) <b>Semi-loopers</b> ( <i>Trichoplusia</i> spp.) <b>Diamond back moth</b> ( <i>Plutella xylostella</i> ) <b>African bollworm</b> ( <i>Helicoverpa armigera</i> ) <b>Leafminers</b> ( <i>Liriomyza</i> spp.) <b>Stink bugs</b> <b>Thrips</b> <b>Whiteflies</b> [suppression only - 60 - 90% control]	200 ml/ha	<ul style="list-style-type: none"> <li>Apply before pests reach damaging levels based on economic thresholds.</li> <li>Scout fields and repeat sprays if populations start to rebuild, with a minimum of five (5) days between applications.</li> <li>Do not make more than four (4) applications per season.</li> </ul> <b>Ground application</b> <ul style="list-style-type: none"> <li>Use sufficient water to obtain full coverage of foliage. Apply in a minimum of 90 ℓ water/ha.</li> </ul> <b>Aerial application</b> <ul style="list-style-type: none"> <li>Apply in 30 - 40 ℓ water/ha.</li> </ul>

## MAIZE AND SWEETCORN

Pest	Dosage	Recommendations
<b>Maize stalk borers</b> ( <i>Busseola fusca</i> , <i>Chilo partellus</i> , <i>Sesamia calamistis</i> )	1.08 ml/100 m row <b>or</b> 120 ml/ha in 90 cm rows	<ul style="list-style-type: none"> <li>Apply at the first sign of infestation and no later than when 10% of the plants</li> </ul>

## MAIZE AND SWEETCORN cont.

Pest	Dosage	Recommendations
	120 ml/ha	show shot hole damage. <ul style="list-style-type: none"> <li>Spray directly into the funnels.</li> <li>Apply a follow-up spray shortly before tasseling, or with the second moth flight at the first sign of infestation and no later than when 10% of the plants show shot hole damage.</li> </ul> <b>Ground application</b> <ul style="list-style-type: none"> <li>A minimum of 2 - 4 ℓ spray mixture/100 m row must be applied.</li> </ul> <b>Aerial application</b> <ul style="list-style-type: none"> <li>Apply in 30 ℓ water/ha.</li> </ul>
<b>Armyworms</b> ( <i>Spodoptera</i> spp.) <b>False armyworm</b> ( <i>Leucania loreyi</i> )	200 - 240 ml/ha	<ul style="list-style-type: none"> <li>Apply at the first signs of infestation, as soon as feeding damage is observed (small windows in the leaves).</li> <li>Apply the lower rate before tasseling. Increase to the higher rate when maize is in, or passed, soft dough stage.</li> <li><b>Note:</b> Apply when larvae are still outside the cobs. Once inside, larvae will not be controlled.</li> <li>Apply 200 - 400 ℓ/ha spray mixture.</li> <li>Apply as a block of two (2) applications seven (7) days apart and then alternate with chemistry with a different mode of action, e.g., SORBA (L5343) plus PROCLAIM (L7581).</li> </ul>

## PEPPERS

(Capsicum group)

Pest	Dosage	Recommendations
<b>Cutworms</b> ( <i>Agrotis</i> spp.) <b>Armyworms</b> ( <i>Spodoptera</i> spp.) <b>Semi-loopers</b> ( <i>Trichoplusia</i> spp.) <b>African bollworm</b> ( <i>Helicoverpa armigera</i> )	100 - 200 ml/ha	<ul style="list-style-type: none"> <li>Apply before pests reach damaging levels based on economic thresholds.</li> <li>Scout fields and repeat sprays if populations start to rebuild, with a minimum of five (5) days between applications.</li> </ul>



## PEPPERS

(Capsicum group)

Pest	Dosage	Recommendations
<b>Diamond back moth</b> ( <i>Plutella xylostella</i> ) <b>Leafminers</b> <b>Stink bugs</b> <b>Thrips</b> (excluding <i>frankliniella occidentalis</i> ) and <b>whiteflies</b> [suppression only - 60 - 90% control]	100 - 200 ml/ha	<ul style="list-style-type: none"> <li>Do not make more than four (4) applications per season.</li> <li>Do not use an adjuvant with applications of <b>AMPLIGO</b> to chilli peppers or pimento.</li> </ul> <b>Ground application</b> <ul style="list-style-type: none"> <li>Use sufficient water to obtain full-coverage of foliage. Apply in a minimum of 90 l water/ha.</li> </ul> <b>Aerial application</b> <ul style="list-style-type: none"> <li>Apply in 30 - 40 l water/ha.</li> </ul>
<b>Tomato leafminer moth</b> ( <i>Tuta absoluta</i> )	400 ml/ha	<ul style="list-style-type: none"> <li>Apply at first sign of infestation of larvae in the leaves, or first signs of leaf damage.</li> <li>If necessary, repeat application 7 - 10 days later.</li> <li>Apply a maximum of two (2) applications of <b>AMPLIGO</b> per crop per season.</li> </ul>

## POTATOES

Pest	Dosage	Recommendations
<b>Potato tuber moth</b> ( <i>Phthorimaea operculella</i> )	100 ml/ha	<b>Ground application</b> <ul style="list-style-type: none"> <li>Apply as soon as the presence of moths is noticed.</li> <li>Apply at 7 - 14-day interval programs.</li> <li>Do not exceed three (3) applications per crop cycle.</li> <li>If re-infestation occurs, do not use related chemistry.</li> <li>Use products with a different mode of action.</li> </ul>
<b>Tomato leafminer moth</b> ( <i>Tuta absoluta</i> )	400 ml/ha	<ul style="list-style-type: none"> <li>Apply at first sign of infestation of larvae in the leaves, or first signs of leaf damage.</li> <li>If necessary, repeat application 7 - 10 days later.</li> <li>Apply a maximum of two (2) applications of <b>AMPLIGO</b> per crop per season.</li> </ul>

## SOYBEANS

Pest	Dosage	Recommendations
<b>African bollworm</b> ( <i>Helicoverpa armigera</i> ) <b>Armyworms</b> ( <i>Spodoptera</i> spp.) <b>False armyworm</b> ( <i>Leucania loreyi</i> ) <b>Painted lady</b> ( <i>Vanessa cardui</i> ) <b>Semi-loopers</b> ( <i>Thysanoplusia orichalcea</i> )	100 - 150 ml/ha	<ul style="list-style-type: none"> <li>Apply at first sign of infestation (L1 - L2).</li> <li>Apply as a foliar spray in 200 - 400 l water/ha for good coverage.</li> <li>Apply as a block of two (2) applications seven (7) days apart and then alternate with chemistry with a different mode of action, e.g., SORBA (L5343) plus PROCLAIM (L7581).</li> </ul>

## STONE FRUIT

(Includes apricots, cherries, nectarines, peaches and plums)

Pest	Dosage	Recommendations
<b>Codling moth</b> ( <i>Cydia pomonella</i> ) <b>False codling moth</b> ( <i>Cryptophlebia leucotreta</i> ) <b>Fruit piercing moths</b> ( <i>Serodes</i> sp., <i>Dugaria</i> sp., <i>Calpe</i> spp.) <b>African bollworm</b> ( <i>Helicoverpa armigera</i> ) <b>Leafrollers</b> ( <i>Tortrix</i> sp.) <b>Plum slug</b> ( <i>Latoia</i> sp.) <b>Fruitflies</b> ( <i>Ceratitis capitata</i> , <i>Pterandrus</i> spp., <i>Pardalaspis</i> spp.) <b>Antestia bug</b> ( <i>Antestiopsis</i> sp.) <b>Stink bugs</b> <b>Thrips</b>	200 - 500 ml/ha	<ul style="list-style-type: none"> <li>Apply before pests reach damaging levels based on economic thresholds or detection of adults in pheromone traps.</li> <li>Scout fields and repeat sprays if populations start to rebuild, with a minimum of seven (7) days between applications.</li> <li>Do not make more than three (3) applications per season.</li> </ul> <b>Ground application</b> <ul style="list-style-type: none"> <li>Use sufficient water to obtain full-coverage of foliage.</li> </ul> <b>Aerial application</b> <ul style="list-style-type: none"> <li>Apply in 30 - 40 l water/ha.</li> </ul>

## SUGARCANE

Pest	Dosage	Recommendations
<b>Sugarcane borer</b> ( <i>Eldana saccharina</i> )	150 ml/ha	<b>Ground application</b> <ul style="list-style-type: none"> <li>Apply at the first sign of infestation.</li> <li>Spray a block of two (2) <b>AMPLIGO</b> (diamide) applications four (4) weeks apart in a 60-day window.</li> <li>Alternate with a</li> </ul>
<b>Yellow sugarcane aphid</b> ( <i>Sipha flava</i> ) [Suppression only]	150 - 300 ml/ha	

## SUGARCANE cont.

Pest	Dosage	Recommendations
		<p>product with a different mode of action (non-diamide) for a 60-day window.</p> <ul style="list-style-type: none"> <li>• <b>AMPLIGO</b> can be used on young ratoon for <i>eldana</i> control and suppression of aphids.</li> <li>• For aphids, direct the spray towards the lower parts of the cane where pests are present.</li> <li>• The action for aphids is contact only with no residual activity compared to <i>Eldana</i> control, where the action is both contact and translaminar.</li> <li>• Spray up to a maximum of four (4) <b>AMPLIGO</b> applications per 12 month cycle.</li> <li>• Apply as a full-cover spray.</li> </ul> <p><b>Aerial application</b></p> <ul style="list-style-type: none"> <li>• Apply in 30 ℓ water/ha</li> </ul>

## SUNFLOWERS

Pest	Dosage	Recommendations
<b>African bollworm</b> ( <i>Helicoverpa armigera</i> ) <b>Armyworms</b> ( <i>Spodoptera</i> spp.) <b>False armyworm</b> ( <i>Leucania loreyi</i> )	150 ml/ha	<ul style="list-style-type: none"> <li>• Apply at first sign of infestation.</li> <li>• Apply 200 - 400 ℓ/ha spray mixture.</li> <li>• Apply as a block of two (2) applications 7 - 10 days apart and then alternate with chemistry with a different mode of action, e.g., SORBA (L5343) plus PROCLAIM (L7581).</li> <li>• Apply a maximum of two (2) applications per season.</li> </ul>

## TOMATOES

Pest	Dosage	Recommendations
<b>Tomato leafminer moth</b> ( <i>Tuta absoluta</i> )	400 ml/ha	<ul style="list-style-type: none"> <li>• Apply at first sign of infestation of larvae in the leaves, or first signs of leaf damage.</li> <li>• If necessary, repeat application 7 - 10 days later.</li> <li>• Apply a maximum</li> </ul>

## TOMATOES cont.

Pest	Dosage	Recommendations
		<p>of two (2) applications of <b>AMPLIGO</b> per crop per season.</p>

## TREE NUTS

(Includes almonds, macadamias, pistachios, walnuts and pecan nuts)

Pest	Dosage	Recommendations
<b>Codling moth</b> ( <i>Cydia pomonella</i> ) <b>False codling moth</b> ( <i>Cryptophlebia leucotreta</i> ) <b>Litchi moth</b> ( <i>Cryptophlebia peltastica</i> ) <b>Carob moth</b> ( <i>Ectomyelois</i> sp.) <b>African bollworm</b> ( <i>Helicoverpa armigera</i> ) <b>Stinkbug complex</b>	200 - 500 ml/ha	<ul style="list-style-type: none"> <li>• Apply before pests reach damaging levels based on economic thresholds.</li> <li>• Scout fields and repeat sprays if populations start to rebuild, with a minimum of seven (7) days between applications.</li> <li>• Do not make more than four (4) applications per season.</li> </ul> <p><b>Ground application</b></p> <ul style="list-style-type: none"> <li>• Use sufficient water to obtain full-coverage of foliage.</li> </ul> <p><b>Aerial application</b></p> <ul style="list-style-type: none"> <li>• Apply in 30 - 40 ℓ water/ha.</li> </ul>

## TUBER VEGETABLES

(Includes cassava, ginger and sweet potato)

Pest	Dosage	Recommendations
<b>Cutworms</b> ( <i>Agrotis</i> spp.) <b>Armyworms</b> ( <i>Spodoptera</i> spp.) <b>Semi-loopers</b> ( <i>Trichoplusia</i> spp.) <b>African bollworm</b> ( <i>Helicoverpa armigera</i> ) <b>Potato tuber moth</b> ( <i>Phthorimaea operculella</i> ) <b>Stink bugs</b> <b>Thrips</b> (excluding <i>frankliniella occidentalis</i> ), <b>leafminers and whiteflies</b> (suppression only - 60 - 90% control)	100 - 200 ml/ha	<ul style="list-style-type: none"> <li>• Apply before pests reach damaging levels based on economic thresholds.</li> <li>• Scout fields and repeat sprays if populations start to rebuild, with a minimum of seven (7) days between applications.</li> <li>• Do not make more than four (4) applications per season.</li> </ul> <p><b>Ground application</b></p> <ul style="list-style-type: none"> <li>• Use sufficient water to obtain full-coverage of foliage.</li> <li>• Apply in a minimum of 90 ℓ water/ha.</li> </ul> <p><b>Aerial application</b></p> <ul style="list-style-type: none"> <li>• Apply in 30 - 40 ℓ water/ha.</li> </ul>

## WHEAT

Pest	Dosage	Recommendations
<b>African bollworm</b> ( <i>Helicoverpa armigera</i> ) <b>Armyworms</b> ( <i>Spodoptera</i> spp.) <b>False armyworm</b> ( <i>Leucania loreyi</i> )	100 - 150 mℓ/ha	<ul style="list-style-type: none"><li>• Apply at first sign of infestation, or apply preventatively, starting at flag leaf emergence, and follow up 7 - 10 days later with a second application.</li><li>• Apply 200 - 400 ℓ/ha spray mixture.</li><li>• Apply a maximum of two (2) applications per season.</li></ul>

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