ALLICE 20 SP
Reg. No.: L 8723 Act /Wet No. 36 of/van 1947
A water soluble powder, systemic insecticide with contact and stomach action for the control of Yellow Sugarcane Aphid and suppression of thrips on sugarcane. Also for the control of pests as indicated on apples, pears, citrus, cotton, wheat, canola, barley, oats and tree nuts.

IRAC INSECTICIDE GROUP CODE: 4A

ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL:
acetamiprid (neonicotinoid) / asetamipried (neonikotinoïed) ...................... 200 g/kg

Registration holder / Registrasiehouer:
ARYSTA LifeScience South Africa (Pty) Ltd
7 Sunbury Office Park,
Off Douglas Saunders Drive, La Lucia Ridge,
South Africa, 4019
Tel: 031 514 5600

Batch No. / Lot Nr.: 
Date of manufacture: / Datum van vervaardiging:

UN number: 3077

READ THE LABEL IN DETAIL BEFORE OPENING THE CONTAINER. / LEES DIE ETIKET VOLLEDIG VOORDAT DIE HOUER OOPGEMAAK WORD.
For full particulars, see enclosed leaflet. / Vir volledige besonderhede, sien ingeslote pamflet.
A water soluble powder, systemic insecticide with contact and stomach action for the control of Yellow Sugarcane Aphid and suppression of thrips on sugarcane. Also for the control of pests as indicated on apples, pears, citrus, cotton, wheat, canola, barley, oats and Tree nuts.

'n Wateroplosbare poeier, sistemiese insekdoder met kontak- en maagaksie vir die beheer van die Geelsuikerrietbladluis en die onderdrukking van blaaaspoottie op suikerriet. Ook vir die beheer van insekte soos aangedui in appels, pere, sitrus, katoen, koring, kanola, gars, hawer en Neutbome.

IRAC INSECTICIDE GROUP CODE / IRAC INSEKDODERGROEPKODE: 4A

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CAUTION  VERSIGTIG

WARNINGS

Withholding periods:

<p>| | |</p>
<table>
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<tr>
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<tbody>
<tr>
<td>Apples and Pears</td>
<td>50 days</td>
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<tr>
<td>Citrus:</td>
<td>150 days</td>
</tr>
<tr>
<td>Cotton:</td>
<td>21 days</td>
</tr>
<tr>
<td>Wheat and Canola:</td>
<td>56 days</td>
</tr>
<tr>
<td>Barley:</td>
<td>60 days</td>
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<tr>
<td>Oats:</td>
<td>70 days</td>
</tr>
<tr>
<td>Sugarcane:</td>
<td>56 days</td>
</tr>
<tr>
<td>Tree Nuts:</td>
<td>50 days</td>
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</tbody>
</table>

NOTE: The recommended withholding period between last application and harvest meets local residue requirements but may not meet export requirements. If the crop is intended for the export market, consult the relevant exporting body before application of the product with regard to pre-harvest interval requirements.

- Do not graze all treated crops.
- Handle with care.
- Harmful when swallowed or inhaled.
- Inhalation of the dust and spray mist may cause irritation of the nose, throat and lungs.
- Cause mild to moderate irritation to the skin and eyes.
- May be harmful to aquatic organisms and toxic to honey bees. The product may be used in flowering crops during flowering as the possible risk to bees from the use of the product is considered minimal. Do not spray directly onto bees or when bees are active in the crops.
- Store in a cool, dry place and away from food, feeds and seed.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry**: Do not enter treated area, until spray deposit has dried unless wearing protective clothing.
- **Aerial application**: notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow spray drift to contaminate adjacent areas or water.
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; incompatibility 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 in the event of any uncertainty.

**PRECAUTIONS**

- Do not inhale dust or spray mist.
- Avoid skin and eye contact.
- Wear protective clothing, suitable mask or face shield, rubber gloves and rubber boots when handling and mixing the product and whilst applying the spray mixture.
- In case of skin contact, remove contaminated clothing, shoes and leather goods. Wash skin gently and thoroughly with clean, cold water and non-abrasive soap. Do not rub the skin. Obtain medical attention if irritation persists.
- In case of eye contact, **immediately** flush eyes with copious amounts clean, cold water for at least 15 to 20 minutes, holding the eyelid(s) open. Obtain medical attention if irritation persists.
- In case of ingestion, **do not induce vomiting**. Do not give anything by mouth to an unconscious person. Obtain medical attention immediately and make the container, or label or Safety Data Sheet available. If the person is alert, rinse mouth thoroughly with water and give one or two glasses of water to drink.
- Wash with soap and water after use and accidental skin contact.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face and changing clothing.
- Avoid drift of spray mist onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean application equipment and mixing buckets after use. Dispose of wash water where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Containers and packages must be completely emptied before being disposed of.
- Shake out thoroughly into the mixing bucket, drum or mixing tank before destroying the empty container and package.
- Destroy empty container and package and never re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

**RESISTANCE WARNING**

For resistance management, **ALLICE 20 SP** is a group code 4A insecticide. Any insect population may contain individuals naturally resistant to **ALLICE 20 SP** and other group code 4A insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **ALLICE 20 SP** or any other group code 4A insecticide.

Take note that acetamiprid is chemically related to other neonicotinoid products, e.g. imidacloprid. To minimize the possibility of resistance, apply a maximum of 2 neonicotinoid treatments per growing season.
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 programmes.

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

USE RESTRICTIONS
- Do not treat trees or plants which are under stress e.g. stress as a result of water logging, drought, soil compaction, nutrient deficiencies, root and stem diseases, nematodes, etc.
- Do not treat trees in the post-harvest period as the systemic action and translocation of the product would be adversely affected.
- Treat trees and plants when growing actively.
- Take note that low temperatures will reduce the rate of systemic translocation from site of application to the target insect pests.
- Dust on plants will adversely affect optimum uptake and activity of the product.
- **Very Important:** The choice of products to be used during one growing season should take resistance strategy in consideration. Adhere to the instructions under “Resistance Warning” above.

DIRECTIONS FOR USE:  Use only as indicated.

Compatibility:
- It is recommended to do a compatibility test on a small scale before using ALLICE 20 SP in a tank mixture with other agrochemicals.
- ALLICE 20 SP is not compatible with chemicals with strong alkaline reaction upon dilution or strong alkaline spray water.
- Therefore, always ensure the pH of the spray water is between 4,5 and 6,5 before adding ALLICE 20 SP. Use ALLBUFF to buffer the water to the desired pH.
- Always refer to the label of the product which is to be used or tank mixed with ALLICE 20 SP and adhere to the warnings, precautions, restrictions and instructions.

Mixing Instructions:
- Half-fill the spray tank with clean water.
- Ensure that the pH of the spray water is between 4,5 and 6,5. If not, buffer the spray water with ALLBUFF.
- Measure out the required quantity of ALLICE 20 SP and premix with at least 10 litres of the already buffered spray water.
- Add this premix to the spray tank while agitating.
- If any other product is to be added to the tank mixture, the required quantity of that product must be premixed in a similar fashion.
- Agitate the mixture in the spray tank and add the second premixed product to the tank, provided ALLICE 20 SP has been completely dissolved.
- Fill the spray tank with water to the required volume, while maintaining agitation to ensure thorough mixing. In situations where SPRAYFILM 10 is to be added, add the required quantity as the last compound, while the spray tank is filled with water.
- Maintain agitation during spraying.
- Use the prepared mixture immediately. Do not allow to stand overnight.
AERIAL APPLICATION
Aerial application may only be done by a registered aerial application operator using a registered and correctly calibrated aircraft according to the instructions of SANS 10118:2009 (The Aerial Application of Pesticides). 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 be met:

- **Volume:** A spray volume of 35 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 – 45 droplets per cm² must be recovered at the target area.
- **Droplet size:** A droplet spectrum with a VMD of 350 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 2 to 3 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.**
- **Apply before the crop growth becomes too dense, which will interfere with overall plant coverage.**
- **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.

APPLICATION DOSAGE RATES:

<table>
<thead>
<tr>
<th>CROP / PEST:</th>
<th>DOSAGE RATE:</th>
<th>REMARKS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLES AND PEARS</td>
<td>50g ALLICE 20 SP + 100 ml ALLBUFF/100 l water</td>
<td>Apply mid November to mid December during the first or early second codling moth generation (at intervals of 10 to 14 days). ALLICE 20 SP should be applied as part of a spray programme with other non-related insecticides registered for the control of codling moth.</td>
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<tr>
<td>Codling moth (Cydia pomonella)</td>
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<tr>
<td>CITRUS</td>
<td>40 g/100 l water</td>
<td>Nursery and Non-bearing Transplanted Trees: Apply the first application as soon as necessary. Apply as an outside cover spray, to the point of run-off. Repeat the application when the threshold is reached.</td>
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</table>
**Toxoptera citricidus),**
Leaf miner *(Phyllocnistis citrella)* and
Psylla *(Trioza erytreae)*

exceeded.

**Bearing Trees (not on lemon trees):**
Scout regularly for the presence of these insects and when necessary during first 6 weeks of petal fall, apply **ALLICE 20 SP**.
Apply as an outside cover spray to the point of run-off.

| Citrus Thrips *(Scirtothrips aurantii)* | Nursery and Non-bearing Transplanted Trees:
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<tr>
<td><strong>40 g/100 ℓ water</strong></td>
<td>Apply the first application as soon as necessary. Apply as an outside cover spray, to the point of run-off. Repeat the application when the threshold is exceeded.</td>
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<thead>
<tr>
<th>Mealybug (all species)</th>
<th>Nursery and Non-bearing Transplanted Trees:</th>
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<tbody>
<tr>
<td><strong>40 g/100 ℓ water</strong></td>
<td>Apply the first application as soon as necessary. Apply as a full cover spray, to the point of run-off. Repeat the application when the threshold is exceeded.</td>
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</table>

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<tr>
<th>Red Scale <em>(Aonidiella aurantii)</em></th>
<th>Nursery and Non-bearing Transplanted Trees:</th>
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</thead>
<tbody>
<tr>
<td><strong>50 g/100 ℓ water</strong></td>
<td>Apply the first application as soon as necessary. Apply as a full cover spray, to the point of run-off. Repeat the application when the threshold is exceeded.</td>
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</table>

**Very Important:** Adhere to the “Resistance Warning”, “Use Restrictions” and “Directions for Use”, as mentioned above. Apply **ALLICE 20 SP** in a spray programme with other registered products, taking into account the pest complex to control and the resistance strategy.

<table>
<thead>
<tr>
<th>CROP / PEST:</th>
<th>DOSAGE RATE:</th>
<th>REMARKS:</th>
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</thead>
<tbody>
<tr>
<td><strong>COTTON</strong></td>
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<tr>
<td>Aphids <em>(Aphis gossypii)</em> and</td>
<td><strong>50 - 75 g/ha + 100 mℓ ALLBUFF/ 100 ℓ spray mixture when needed</strong></td>
<td>Apply two applications and use the higher dosage rate when population pressure is high. Apply the first, preferably when the population is below the economical threshold and before</td>
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<tr>
<td><strong>Leafhopper/jassids</strong> &lt;br&gt; (<em>Jacobiella facialis</em>)</td>
<td><strong>formation of honeydew on the plants.</strong> &lt;br&gt; Apply 200 litres spray mixture per hectare and ensure good coverage of plants. &lt;br&gt; Apply the second application 7 to 10 days later. &lt;br&gt; <strong>Very Important:</strong> Adhere to the “Resistance Warning”, “Use Restrictions” and “Directions for Use”, as mentioned above. &lt;br&gt; Use ALLICE 20 SP in a spray programme with other registered products to control these insects effectively throughout the growing season, taking into account resistance strategy.</td>
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<tr>
<td><strong>WHEAT (dry land only), BARLEY and OATS</strong> &lt;br&gt; (Winter rainfall area) &lt;br&gt; Oat aphid &lt;br&gt; (<em>Rhopalosiphum padi</em>), &lt;br&gt; Brown ear wheat aphid &lt;br&gt; (<em>Sitobion avenea</em>) and &lt;br&gt; Common wheat aphid &lt;br&gt; (<em>Schizaphis graminum</em>)</td>
<td><strong>50 g/ha + 100 mℓ ALLBUFF/ 100 ℓ spray mixture when needed</strong> &lt;br&gt; &lt;br&gt; Apply when pest is seen and repeat when necessary. Do not apply later than ear emergence stage of wheat, barley and oats and the start of the flowering stage of canola. &lt;br&gt; <strong>Ground application:</strong> Do not apply in less than 75 ℓ water/ha. Ensure that there is good coverage of all plant parts.</td>
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<td><strong>CANOLA</strong> &lt;br&gt; (Winter rainfall area) &lt;br&gt; Cruciferae aphid &lt;br&gt; (<em>Brevicoryne brassicae</em>)</td>
<td><strong>1.5 kg/ha plus wetter (0.05% SILHOUETTE)</strong> &lt;br&gt; <strong>Ground application</strong> &lt;br&gt; Apply in at least 250 ℓ water/ha as soon as pest is noticed. At least 6—8 green leaves must be present. Use a flat fan nozzle and direct the spray to the centre of the developing tillers. &lt;br&gt; <strong>Aerial application</strong> &lt;br&gt; Apply in at least 30 ℓ water per ha. (Use Silhouette at 200 mℓ per ha.)</td>
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<tr>
<td><strong>SUGARCANE</strong> &lt;br&gt; Thrips &lt;br&gt; (<em>Fulmekiola serrata</em>) &lt;br&gt; (suppression)</td>
<td><strong>1.0 kg/ha plus wetter (0.05% SILHOUETTE)</strong> &lt;br&gt; <strong>Ground application</strong> &lt;br&gt; Apply in at least 250 ℓ water/ha as soon as pest is noticed. Use a flat fan nozzle and direct the spray to the lower leaves.</td>
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<tr>
<td><strong>Yellow Sugarcane Aphid</strong> &lt;br&gt; (<em>Sipha flava</em>)</td>
<td><strong>50 g ALLICE 20 SP/100 ℓ water</strong> &lt;br&gt; <strong>OR</strong> &lt;br&gt; <strong>40 g ALLICE 20 SP + 20 g EMMA /100 ℓ</strong> &lt;br&gt; Use appropriate scouting and monitoring techniques to predict the onset of pest infestation. In orchards with a known history of Macadamia nut borer infestation or a predicted high level of infestation, make the first two applications with ALLICE 20 SP + Emma mixture. Thereafter, continue the programme with EMMA solo (Refer to the EMMA label).</td>
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<tr>
<td><strong>TREE NUTS</strong> &lt;br&gt; Macadamia nut borer &lt;br&gt; (<em>MNB</em>), <em>Thaumatotibia (=Cryptophlebia) batrachopa</em> (Meyrick, 1908) &lt;br&gt; (Emergency registration)</td>
<td><strong>50 g ALLICE 20 SP/100 ℓ water</strong> &lt;br&gt; <strong>OR</strong> &lt;br&gt; <strong>40 g ALLICE 20 SP + 20 g EMMA /100 ℓ</strong> &lt;br&gt; Use appropriate scouting and monitoring techniques to predict the onset of pest infestation. In orchards with a known history of Macadamia nut borer infestation or a predicted high level of infestation, make the first two applications with ALLICE 20 SP + Emma mixture. Thereafter, continue the programme with EMMA solo (Refer to the EMMA label).</td>
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</table>
| water | In case of expected low to moderate infestation, **ALLICE 20 SP** can be used solo at the indicated rate.  
Do not exceed more than 2 **ALLICE 20 SP** applications in a growing season whether in a mixture or solo.  
Commence application when pest eggs are hatching but before the neonate larvae penetrate the nuts.  
A medium cover spray is essential to ensure all nut clusters are adequately protected.  
Repeat application after 7 to 10 days if high infestations of MNB persists. |