NeemAzal™

An azadirachtin-based botanical insecticide with antifeedant, repellent and insect growth regulating properties for the control of Codling moth on apples and pears.

Registered by: KLUB M5 (Pty.) Ltd.
Reg. No. 2006/023059/07
P. O. Box 7402
CENTURION, 0046
Tel 012-653 1782

Geregistreer deur: KLUB M5 (Edms.) Bpk.
Reg. Nr. 2006/023059/07
Posbus 7402
CENTURION, 0046
Tel 012-653 1782

Active ingredient / Aktiewe bestanddeel:
Azadirachtin .... 12 g/l .... Azadiragtin

INSECTICIDE GROUP CODE 26 INSEKDODERGROEPKODE

Full label attached / Volledige etiket aangeheg

Net Volume / Netto Volume

Versprei deur: VERSIGTIG

Distributed by:

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E.I.D. Parry

9/2008
KLUB M5

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Reg. No. L 7840 Act No. 36 of 1947

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CAUTION

WARNINGS
Handle with care.
Can irritate skin and eyes – therefore avoid skin and eye contact.
Harmful if swallowed.
Toxic to fish, aquatic organisms and bees.
Always store the product under lock and key, sealed in its original container in a cool, dry place away from food and feedstuffs.
Keep out of reach of children, uninformed persons and animals.
Although this product 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 pests against the product, 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 product 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 Distributor in the event of any uncertainty.

PRECAUTIONS
Do not inhale the spray mist.
Wash with soap and water immediately after accidental skin contact and after use.
Wash contaminated clothing daily.
Do not let the product or spray mist get into the eyes. In case of eye contact, immediately flush with plenty of water.
Do not eat, drink or smoke whilst using the product and before washing the hands and face.
Thoroughly clean spray equipment after use. Dispose of rinse water where it will not contaminate crops, pastures, rivers and dams.
Invert empty container over the spray or mixing tank and allow to drain for a minimum of 30 seconds after the flow has slowed down to a drip. Thereafter rinse the empty container three times with a volume...
of water equal to a minimum of 10% of that of the container and add the rinsing water to the contents of
the spray tank.
Destroy empty containers by perforation and flattening and dispose of it by burying. Never use it for any
other purpose.
Avoid contamination of food, feedstuffs, drinking water and eating utensils.
Avoid spray drift onto other crops, grazing, rivers, dams or areas not under treatment.
Keep animals and children away from stacked and spilt material.

FIRST AID TREATMENT
Eye contact: Causes moderate eye irritation. Hold eye open and rinse slowly and gently with clean water
for 15-20 minutes. Remove contact lenses, if applicable, after first 5 minutes and then continue rinsing
eyes.
Skin contact: Prolonged or frequently repeated skin contact may cause allergic reactions in some
individuals. Remove contaminated clothing and wash all exposed areas with plenty of soap and water.
Seek medical attention if skin irritation persists.
Inhalation: Move the patient to fresh air.
Ingestion: Immediately give several glasses of water and induce vomiting by tickling the back of the
throat. Repeat until fluid is clear and free from the smell of the product.

USE RESTRICTIONS
Expiry date: NeemAzal has a shelf life of 2 years after date of manufacture if properly stored.
Storage conditions and temperature: Store in the original sealed container in a cool, dry and dark
place. Do not store NeemAzal above 35 °C or below freezing point (0 °C).

pH of spray mixture: For optimal performance the spray mixture must be buffered to a pH of 5,0 with a
suitable buffering / acidifying product such as Klub M5 UPGRADE 500 (L 6655). A pH above 5,0 will
progressively cause the breakdown of NeemAzal and result in a reduced level of insecticidal activity.

Number of applications: Do not apply NeemAzal more than 5 times per season.

Rain fastness: If more than 10 mm of precipitation falls on a treated crop within 24 hours, a repeat
application should be done after 5 days. Add BreakThru (L 5895) to enhance the residuality of
NeemAzal. Consult the Distributor in case of any uncertainty.

RESISTANCE WARNING:
For resistance management, NeemAzal is a GROUP CODE 26 INSECTICIDE. Any insect population
may contain individuals naturally resistant to NeemAzal and other GROUP CODE 26 INSECTICIDES.
The resistant individuals can eventually dominate the insect population if these insecticides are used
repeatedly. These resistant insects may not be controlled by NeemAzal or any other GROUP CODE 26
INSECTICIDES.

To delay insect resistance:
• Avoid exclusive repeated use of insecticides from the same INSECTICIDE GROUP. Alternate with
products from different INSECTICIDE GROUPS.
• Maintain records for each orchard to prevent repeated use of the same INSECTICIDE GROUP on the
same orchard.
• Integrate different control methods (e.g. chemical, cultural, biological) into insect control
programmes.
• Inspect each treated orchard annually approximately 3 weeks after treatment to identify the
occurrence of resistance at the earliest possible stage.

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

DIRECTIONS FOR USE Use only as directed.

Cleaning of spray equipment:
Spray equipment used to apply NeemAzal must be thoroughly chemically cleaned as follows before use:
• Drain the entire applicator system.
Flush the whole system with clean water and drain again. 
Fill the tank to 100 ℓ with water and add 1 ℓ of either 3 % household ammonia or 3.5 % sodium hypochlorite (Jik). Circulate the spraying system for 10 minutes and open the nozzles for at least 5 minutes. Dump the remaining liquid. 
Repeat the previous step. 
Flush the whole system thoroughly with clean water. 

Mixing instructions: Shake well before using. Fill the spray tank with at least half of the water to be sprayed and add the required amount of UPGRADE 500 to buffer to pH 5.0 and then add the required amount of BreakThru. Now add the required amount of NeemAzal for the full tank load with the agitator running. Agitate the mixture thoroughly and then fill the tank with the remaining water and continue agitation. Thorough mixing is necessary for uniform coverage. Inadequate mixing can result in lowered efficacy. For tank mixes, add other products to the tank already containing the NeemAzal spray mix and agitate thoroughly. If the tank mixture is allowed to stand for a while, agitation is necessary prior to application. Always use NeemAzal promptly after mixing with water and do not let the tank mix stand for any extended period. 

Compatibility: NeemAzal is compatible with most commonly used pesticides and fertilizers. Captan should not be used in tank mixes with NeemAzal. To avoid problems, conduct a compatibility test before using this product in a tank mix with other pesticides or with fertilizers as follows: Mix a small amount of each product in the appropriate proportions in the water which will be used for spraying in a transparent container. Shake well and check for any unusual phenomena such as settling out, oil appearing on the surface or the emulsion becoming thick. 

Phytotoxicity: Testing a small portion of the area to be treated for phytotoxicity is recommended before treating the entire area. Testing for phytotoxicity of tank mixtures is also recommended. The addition of spray adjuvants may under ideal conditions enhance efficacy but the addition of certain adjuvants may cause phytotoxicity. It is therefore recommended that the addition of crop oils and other adjuvants be thoroughly tested on a small scale before use. Captan, Bordeaux mixture, and highly alkaline products may cause unacceptable phytotoxicity and/or reduced effectiveness on target pests. Tank mixes of NeemAzal with products known to be incompatible with oil-based formulations should be avoided or phytotoxicity may occur. 

Application:
For optimal performance apply the product as soon as pests are expected or when pests first appear and are still in the immature stages. Apply NeemAzal in sufficient spray volume and with adequate spray pressure to ensure complete and thorough coverage of all plant surfaces including the top and bottom of leaves. Avoid excessive runoff. Best results will be obtained after 2 - 3 applications made at 10 - 14 day intervals. When pest pressure is heavy or plant canopy is dense, use the shorter spray interval. Spraying in the morning or evening hours will provide the best results. Repeat application after 5 days if rain occurs within 24 hours of spraying. 

<table>
<thead>
<tr>
<th>Crop</th>
<th>Pest</th>
<th>Dosage rate/ 100 ℓ</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>Apples and Pears</td>
<td>Codling moth (Cydia pomonella)</td>
<td>300 ml + 50 ml UPGRADE 500 + 50 ml BreakThru</td>
<td>Apply as a high volume full cover spray from onset of flowering and repeat at least 2-3 times at 10-14 day intervals. Do not apply more than 5 times per season. When NeemAzal is sprayed alone or in tank mixes with other crop protection remedies, always buffer the spray mix to pH 5.0 with UPGRADE 500. <strong>Note:</strong> NeemAzal can be applied up to 24 hours before harvest.</td>
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**TRADE MARKS** 
NeemAzal E.I.D. Parry 
BreakThru Degussa 
UPGRADE 500 Klub M5 

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