

Main Panel
For further information see attached pamphlet
Vir verdere inligting sien aangehegte pamphlet

GRAB 500 EC

Reg. No. /Nr. L5616, Act No. / Wet Nr. 36 of / van 1947
Botswana: Reg. No. W130316, Act No. 18 of 1999
Namibian Reg. No./Namibiese Reg. Nr. N-AR 0830

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

AN EMULSIFIABLE CONCENTRATE INSECTICIDE WITH CONTACT AND SYSTEMIC ACTION FOR USE ON PESTS AND CROPS AS LISTED.

'N EMULGEERBARE KONSENTRAAT INSEKODER MET KONTAK EN SISTEMIESE WERKING VIR GEBRUIK OP PLAË EN GEWASSE SOOS AANGEDUI.

GROUP/GROEP	1B	INSECTICIDE / INSEKODER
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Active ingredient:

Fenthion (Organophosphate) 500 g/l.....

Aktiewe bestanddeel:

Fenthion (Organofosfaat)

Net Volume



Netto Volume



DANGER

GHS Hazard Statements

Harmful if swallowed or in contact with skin.
May be fatal if swallowed and enters airways.
Causes serious eye damage.
Toxic if inhaled.
Suspected cause genetic defects.
May cause drowsiness or dizziness.
Causes damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.

GHS Precautionary Statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children



REGISTRATION HOLDER / REGISTRASIEHOUER:

Nulandis® (A division of AECI Limited) / Nulandis® (‘n Afdeling van AECI Beperk)

Reg. No. / Nr. 1924/002590/06

P.O. Box / Posbus 14418

Witfield, 1467

Tel : (011) 823 8000

www.aeciph.com / www.aeciworld.com

IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL 0861555777
0824468946

Batch No:

Lotnommer:

Date of Manufacture:

Datum van Vervaardiging:

UN Number: 3018 – ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC (Fenthion)

GRAB 500 EC

Reg. No. L5616, Act No. 36 of 1947
Botswana: Reg. No. 130316, Act No. 18 of 1999
Namibian Reg. No. N-AR 0830

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GROUP	1B	INSECTICIDE
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ACTIVE INGREDIENT:

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DANGER

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WARNINGS:

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Harmful if swallowed or in contact with skin.

May be fatal if swallowed and enters airways.

Causes serious eye damage.

Toxic if inhaled.

Suspected cause genetic defects.

May cause drowsiness or dizziness.

Causes damage to organs through prolonged or repeated exposure.

Very toxic to aquatic life with long lasting effects.

DO NOT APPLY LATER THAN 10 DAYS PRIOR TO HARVESTING OF CUCURBITS AND ALL FRUIT CROPS.

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

Handle with care.

Toxic to aquatic organisms, bees and wildlife.

Store in a cool, dry place away from food and feedstuffs.

Keep out of reach of children, uninformed persons and animals.

Re-entry – Do not enter treated area within one day after treatment unless wearing protective clothing.

In case of poisoning - **CALL A DOCTOR IMMEDIATELY AND MAKE THIS LABEL AVAILABLE TO HIM.**

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, COMPATIBILITY WITH OTHER SUBSTANCES NOT INDICATED ON THE LABEL AND THE OCCURRENCE OF RESISTANCE OF THE PESTS TO 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:

GHS Precautionary Statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read carefully and follow all instructions.

Obtain special instruction before use.

Do not breathe mist/ vapours/ spray.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED Get emergency medical help immediately.

IF ON SKIN: wash with plenty of water.

IF INHALED Remove person to fresh air and keep comfortable for breathing.

IF IN EYES Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

IF exposed or concerned: Get emergency medical help immediately.

Collect spillage.

Wash thoroughly with soap and water immediately after use or accidental contact.

Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and changing clothes.

Prevent contamination of food, feed, drinking water and eating utensils.

Prevent spray drift onto other crops, grazing or any other areas not under treatment as this will cause serious crop damage.

Clean applicator thoroughly before re-using and dispose of wash water where it will not contaminate crops, grazing, rivers and dams.

Triple rinse the empty container: 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). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.

RELEVANT SUBSTANCES:

Substance name (IUPAC/EC)	CAS –No.	Concentration % by weight	Classification
	EC-No.		EC1272/2008
Fenthion	55-38-9	40-50%	Acute toxicity oral, dermal (Category 4) H302+H312. Acute toxicity inhalation (Category 3) H331. Mutagenicity (Category 2) H341. STOT RE 1 H372. Aquatic acute 1 H400. Aquatic chronic 1 H410 M=100
	200-231-9		
Hydrocarbons, C10, aromatics, <1% naphthalene	918-811-1	40-50%	Aspiration hazard (Category 1) H304. STOT SE 3 H336. Aquatic chronic 2 H411.
	26264-06-2		
Calcium dodecylbenzene sulphonate	247-557-8	1-10%	Acute toxicity oral (Category 4) H302. Skin irritation (Category 2) H315. Serious eye damage (Category 1) H318.
	104-76-7		
2-Ethylhexan-1-ol	203-234-3	1-10%	Skin irritation (Category 2) H315. Eye irritation (Category 2) H319. Acute toxicity inhalation (Category 4) H332. STOT SE 3 H335.

NOTE: The other ingredients not included above, do not cause or contribute towards the correct GHS classification of **GRAB 500 EC** and are therefore, in terms of the South African Regulations for Hazardous Chemical Agents - 2021; Regulation 14(b), not listed.

SYMPTOMS OF HUMAN POISONING:

Headache, fatigue, faintness, dizziness, excessive sweating, nausea, abdominal pains, vomiting, diarrhoea, tightness of the chest, anxiety, blurred vision, muscle twitching beginning in the eyelids and tongue, small pupils, respiratory distress, convulsion, coma.

FIRST AID TREATMENT:

In case of inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms occur.

In case of skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation occurs.

In case of eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

In case of ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention.

NOTE TO PHYSICIAN:

GRAB 500 EC is a cholinesterase inhibitor. Administer Atropine sulphate intravenously and pralidoxime as an antidote. Monitor the red blood cells and cholinesterase and plasma levels. Administer oxygen when required. Give 2 mg Atropine sulphate every 15 – 30 minutes when required. Treat symptomatically.

RESISTANCE WARNING:

GRAB 500 EC is a Group Code 1B insecticide. Any insect population may contain individuals naturally resistant to **GRAB 500 EC** and other Group Code 1B insecticide. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **GRAB 500 EC** or any other Group Code 1B insecticide.

To delay insecticide resistance:

- Avoid exclusive repeated use of insecticides from the same insecticide Group Codes. 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.

MODE OF ACTION:

Fenthion is a cholinesterase inhibitor.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

For effective fruit fly control, trees and especially the fruit must be thoroughly wetted with spray mixture. Infestations of fruit fly that have been established can be controlled and further spreading can be prevented since **GRAB 500 EC** kills the maggots in the fruit. Orchard sanitation is very important in the control of weevil and fruit fly. Fruit that has fallen off, rotten fruit and seeds must be collected as from November until harvesting is completed. Destroy it by means of burying at least 600 mm deep, immersing in water and in old oil drums or by putting it through a hammer mill. The efficacy of **GRAB 500 EC** on fruit fly on peaches, apricots and plums may be impeded if spray volumes of less than 3 400 ℓ / ha are used.

APPLICATION TABLE:

CROP	PEST	DOSAGE RATE / 100 ℓ WATER	METHOD OF APPLICATION
APPLES, PEARS, PEACHES	Bryobia mite	100 mℓ	Apply as soon as infestation is noticed. Repeat if necessary. Do not use on Doyenne du Comice, Josephine de Malines and Kieffer pear cultivars.
APPLES AND PEARS	Codling moth	50 mℓ	Apply as a full cover spray. Commence applications at 75 % petal fall. Repeat application every 2 – 3 weeks. Do NOT use on Doyenne du Comice or Josephine de Malines pear cultivars.
	Fruit flies	50 mℓ	Apply 10 – 14 days before commencement of picking of late apple and pear varieties, in areas where fruit fly breed in earlier fruits in close proximity to these orchards. When harvesting is extended over a long period, it may be advisable to apply a second spray 3 – 4 weeks after the first application, but not within 10 days of picking. Sprays applied for the control of fruit fly will simultaneously provide control for codling moth.
APRICOTS	Codling moth	100 mℓ	Apply as a full cover spray 3 – 4 weeks after petal drop and repeat application 2 –3 weeks later in the case of severe infection.
COFFEE	Antestia	75 mℓ	Apply as a full cover spray before peak flowering stage and repeat 14 days later.
CUCURBITS (Cucumbers, Gem squash, Pumpkins, etc.)	Pumpkin Fly	120 mℓ	Apply full cover sprays in a programme from flowering onwards at 2-3 week intervals. Ensure thorough wetting of the fruit. The addition of a registered adjuvant is recommended. Apply at first sign of infestation. Repeat if necessary.
	Aphids	100 mℓ	
GUAVAS	Fruit flies	100 mℓ	Apply the first application 4 weeks prior to harvest. Repeat application 10 days before harvest. In areas with warm winter periods and where fruit fly activity occurs, fruit should be picked thoroughly and trees sprayed thoroughly. Follow up with a spray 3-4 weeks later.
MANGOES	Fruit Flies	100 mℓ	Apply two full cover sprays at 20 days and 10 days before harvest. The use of a registered adjuvant is recommended to improve spray coverage.
	Weevils	100 mℓ	Apply as a cover spray, directed at the fruit when egg laying has taken place during late October to early November. Repeat after 14 days under heavy infestation pressure.
STONE FRUIT (Apricots, Peaches,	Fruit flies	75 mℓ	Single application: Apply in areas where late infestations occur as a full cover spray 10 days before harvest.

Plums).			Double application: Apply as a full cover spray in areas where early infestations occur, or in early maturing cultivars, 21 days and again 10 days prior to harvest. NOTE: Do not apply to Pucelle de Malines peaches and Alpha apricots.
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