

HARVEST BROMO 500

Distributed by: Harvest Chemicals
 Registered by: CURA CHEM cc.
 Company Reg. No. 2000/037398/23
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Poison Helpline: 086-155-5777



POONORONCEPEGETIVCEPVCEVCECTKERK?
 with a long residual activity for the control of certain mites in bananas, citrus, cotton, mangoes and grapes.

'n Emulgeerbare konsentraat kontak mytdoder met 'n lang nawerking vir die beheer van sekere myte in piesangs, sitrus, katoen, mango's en druiwe.

Batch No	Reg. No. L 11006, Act No 36 of 1947.		Reg Nr L 11006, Wet Nr. 36 van 1947.		Lot Nr
<input type="text"/>	INSECTICIDE GROUP CODE	UN	INSEKODER GROEPKODE	<input type="text"/>	
Date of manufacture	Active Ingredient: Bromopropylate	500g/l	AktieweBestanddeel: Bromopropilaat (bensieisuurester)	Vervaardigingsdatum	
<input type="text"/>	Nett Volume	1l	Netto Volume	<input type="text"/>	



WARNINGS

Withholding period – Allow the following minimum number of days between last application and harvest or grazing of the crops as listed below:

- Citrus, Cotton 10 days
- Bananas 14 days
- Table Grapes 21days
- Wine Grapes 56days

Do not apply Bromopropylate 500 with other products in a tank mixture when applying to grape vines after berry formation.

Note: The above withholding periods will ensure that residues do not exceed the local MRLs. However, the import tolerances of other countries might be exceeded. If the crop to be treated with Bromopropylate 500 is intended for export, consult the relevant importer or exporting body prior to the use of this product.

- Harmful if swallowed.
- Irritating to eyes and skin.
- **FLAMMABLE:** Keep away from heat and flame.
- Do not store below 1°C.
- Toxic to fish and other aquatic organisms.
- Keep out of reach of children, uninformed persons and animals.
- Store in a cool place, away from food and feedstuffs.
- **Re-entry:** Do not enter the treated field until the spray deposit has dried unless wearing protective clothing.
- **Aerial application:** Notify all the inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings.

Although this acaricide 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 in the event of any uncertainty.

PRECAUTIONS:

- Do not inhale pesticide fumes or spray mist.
- Do not allow the concentrate to come in contact with the skin and the concentrate or spray mist to come into contact with the eyes.
- Wear protective clothing when handling the concentrate (eye protection, rubber boots, gloves).
- In case of accidental contact with eyes, wash with clean water for at least 15 minutes.
- After use and in case of accidental skin contact, wash thoroughly with soap and water.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and change of clothing.
- Prevent contamination of food, feedstuff, eating utensils and drinking water.
- Prevent spray mist drift onto other crops, grazing, rivers, dams or areas not under treatment.
- Clean the spray equipment after use. Dispose of the rinsate where it will not contaminate crops, grazing or any water body.
- Triple rinse the empty containers in the following manner: Invert the empty container over the spray tank or mixing tank and allow to drain for at least 30 seconds after the flow has slowed to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy the empty container by perforation and flattening.
- Dispose of the empty container in accordance with local and national legislation and never re-use it for any other purpose.

RESISTANCE WARNING:

For resistance management Bromopropylate 500 is a benzilic acid ester insecticide. Any mite population may contain individuals naturally resistant to Bromopropylate 500 and other benzilic acid ester insecticides. The resistant individuals can eventually dominate the mite population if these insecticides are used repeatedly. Bromopropylate 500 or any other benzilic acid ester insecticide 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 programmes.

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

DIRECTIONS FOR USE

Use only as directed

COMPATIBILITY:

The compatibility of **Bromopropylate 500** with other products may be influenced by the formulation of the products involved as well as the quality of the spray water.

A physical compatibility test should always be carried out prior to the application of any tank mixture.

MIXING INSTRUCTIONS:

Replace the container cap after use.

Add the required quantity of **Bromopropylate 500** to the required volume of water in the spray tank.

Ensure thorough agitation of the mixture in the spray tank during mixing and spraying.

The spray equipment must be thoroughly flushed out with clean water after use.

APPLICATION:

Ensure that all application equipment is clean and correctly calibrated before use.

Ground Application:

Apply as a full cover spray of the target plants to point of run-off.

Aerial Application:

Bromopropylate 500 may only be applied by aircraft for the control of **bud mite in citrus**.

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 (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 be met:

- Volume: A spray mixture volume of 30 ℓ 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 aurally at a lower volume rate than recommended above.
- Droplet coverage: 30 to 40 droplets per cm² must be recovered on the target area.
- Droplet size: A droplet spectrum with a VMD of 250 to 280 microns is recommended. Limit the production of fine droplets of 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 air craft dives, is in a climb or when banking.
- Use suitable atomizing equipment that will produce the desired droplet size and coverage, and will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible relative span.
- Position all the atomizers 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. Do not spray in the heat of the day.
- 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 orchards 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 RATES:

CROP/PEST	DOSAGE RATE	REMARKS
BANANAS Banana mite <i>(Tetranychus amicus)</i>	100 ml/100 ℓ water	Ground Application: Apply a full cover spray as soon as the mite infestation is noticed. If necessary, apply a follow-up application, 10 days later. Ensure thorough wetting of the bunches.
COTTON Red or Two-spotted spider mite <i>(Tetranychus urticae)</i>	200 ml/100 ℓ water	Ground Application: Apply as a full cover spray at the first signs of infestation. Repeat after 10 days if necessary.
MANGOES Bud mite (<i>Aceria mangiferae</i>)	30 ml/100 ml water	Ground application: Apply as a pre-blossom full cover spray.
CITRUS Bud Mite <i>(Aceria sheldoni)</i>	30 - 50 ml/100 ℓ water	Ground application: Apply as a medium volume full cover spray ensuring thorough wetting. Use 6 to 7 ℓ spray mixture per one metre tree height above the skirt or tree diameter. In the case of severe blossom malformation two applications should be made - the first during spring following petal fall and the second during the period February to April. Use the higher dosage rate for the first application. In the case of light to medium blossom malformation apply a single spray any time during the period February to April. In the case of a light infestation on Navels , the single spray treatment may be delayed until the crop is harvested.
	2,5 – 3,0 ℓ/ha	Aerial application: Apply in 30 ℓ water.
Red mite <i>(Panonychus citri)</i>	75 ml/100 ℓ water	Ground Application: Apply at the first indications of an infestation. Repeat if necessary.
Flat mite <i>(Brevipalpus californicus)</i>	30 ml/100 ℓ water	
Grey mite <i>(Calacarus citrifolii)</i>	30 ml/100 ℓ water	Apply two applications. Apply the first application just after petal fall. The second application can be applied 2 months after the first.
Silver mite <i>(Polyphagotarsonemus latus)</i>	30 ml/100 ℓ water	If russetting occurred the previous season, apply an application in spring.
GRAPES Bud mite <i>(Eriophyes vitis)</i> , Bud damage, Leaf gall formation and Curly leaf	50 ml/100 ℓ water (125 – 750 ml /ha)	Ground Application: Apply two applications. Apply the first application after bud burst of the last eyes, when the longest shoots are 2 to 5 cm long. The second application can be applied 14 days after the first. Ensure thorough wetting of the vines, especially the cordon arms. Apply at least 500 ml spray mixture per vine. A third application is recommended for the control of leaf gall formation and curly leaf on susceptible cultivars. Apply up to mid-December, before the second growth cycle start.