

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Insecticide



CARTAP 500 SP

Reg. No. L 7661 Act/Wet No. 36 of/van 1947
N-AR 1224

3: 05/05/09-Jan2017

A soluble powder contact and systemic action insecticide for the control of certain insect pests in crops as listed.

'n Oplosbare poeier kontak en sistemiese insekdoder vir beheer van sekere insekplae in gewasse soos gelys.

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

cartap hydrochloride **500 g/kg** kartaphydrochloried

IRAC INSECTICIDE GROUP CODE **4C** IRAC INSEKDODER GROEPKODE

1kg

villa

Registration holder / Registrasiehouer:

Villa Crop Protection (Pty) Ltd.

Co. Reg. No. 1992/002474/07 Mpy. Reg. Nr.

PO Box / Posbus 10413, Aston Manor, 1630

Tel: 011 396 2233

Website / Webblad: www.villacrop.co.za

UN Number: 3077

Willow Set & Print 011 394-4486



CAUTION
VERSIGTIG



GEBRUIKSAANWYSYNGS INGESLUIT

VERWYS NA BESONDERHEDE
GEDRUK OP HOUER/SAK

Date formulated:
Formuleringsdatum:

DIRECTIONS FOR USE ENCLOSED
REFER TO DETAILS PRINTED
ON CONTAINER/BAG

Batch number:
Lotonommer:

CARTAP 500 SP

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ACTIVE INGREDIENT / AKTIEWE BESTANDEEL:

cartap hydrochloride / kartaphydrochloried.....500 g/kg

Registration holder / Registrasiehouer:

VILLA CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1992/002474/07 Mpy. Reg. Nr.

PO Box / Posbus 10413,

ASTON MANOR, 1630, Tel. (011) 396 2233

CAUTION / VERSIGTIG**WARNINGS****Withholding period:**

Allow the following number of days between the last application and harvest of the following crops:	
Tomatoes and Cabbage	7 days

NOTE

THE MAXIMUM RESIDUE LEVELS (MRL'S) WILL NOT BE EXCEEDED PROVIDED APPLICATIONS ARE APPLIED AS PRESCRIBED. WHEN PRODUCTION IS DESTINED FOR THE EXPORT MARKET, THE EXPORT AGENCY OF CONCERN MUST BE CONTACTED, PRIOR TO THE USE OF CARTAP 500 SP IN A SPRAY PROGRAMME.

- Handle with care.
- Harmful if swallowed.
- Toxic to fish and moderately toxic to honey bees.
- Store in a cool, dry, well-ventilated place in the original container, tightly closed.
- Store away from food, feed, seed and other agricultural remedies.
- 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.

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. 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, 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.
- Wear suitable protective clothing: overall, rubber boots, gloves and face shield when handling powder.
- Wash with soap and water after use and after accidental skin contact.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke whilst mixing or applying the product or before washing hands and face and change of clothing.
- Prevent drift onto other crops, grazing, rivers, dams and areas not under treatment or to nearby water sources.
- Thoroughly clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- Containers and packages must be completely emptied before being disposed of. Shake out thoroughly into the applicator and destroy the empty container thereafter in the described manner.
- Destroy the empty container by perforation and dispose of it in a safe manner.
- **Never** re-use the empty container for any other purpose.

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

RESISTANCE WARNING

CARTAP 500 SP is a group code 4C insecticide. Any insect population may contain individuals naturally resistant to **CARTAP 500 SP** and any other group code 4C insecticide. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **CARTAP 500 SP** or any other group code 4C insecticide.

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.

Due to resistance of Diamondback moth to pyrethroids, carbamates and organophosphates, use **CARTAP 500 SP** in a programme with other registered products, which differ in chemistry and mode of action, in order to combat the build-up of resistance.

Do not apply more than three successive applications.

DIRECTIONS FOR USE: Use only as directed.

Compatibility:

- The compatibility of **CARTAP 500 SP** with other products may be influenced by the formulation of the products involved, as well as by the quality of the water. As these factors may vary, a physical compatibility test must always be performed before such tank mixture is sprayed.
- When **CARTAP 500 SP** is used in conjunction with any other agricultural remedy, all **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on that label, must be adhered to.

Mixing instructions:

- Half fill the spray tank with clean water.
- **CARTAP 500 SP** is subjected to alkaline hydrolysis. Therefore, the ideal pH of the spray water is approximately 4.
- Add an acidifier/buffer to the volume of water in the mixing tank to ensure the correct pH.
- Take approximately 10 litres of this pH corrected water from the mixing tank and thoroughly pre-mix the required volume of **CARTAP 500 SP** therewith.
- Fill the spray tank with water to the required level while maintaining agitation, to ensure thorough mixing.
- Maintain agitation while spraying.
- Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

APPLICATION RATES

Crop / Pest	Dosage Rate	Remarks
Cabbage Diamond back moth larvae (<i>Plutella xylostella</i>)	400 g / 100 ℓ water (maximum 2 kg / ha)	Apply as a full cover spray at 500 litres spray mixture per hectare. Apply CARTAP 500 SP in a 10 to 14-day interval spray programme and alternate the product with other registered products with different mode of action (refer to IRAC Insecticide Group Code). WARNING Refer to the “ RESISTANCE WARNING ” above.
Potatoes Potato tuber moth larvae (<i>Phthorimaea operculella</i>)	400 g / 100 ℓ water (maximum 2 kg / ha)	Apply the first application as soon as the first moths are noticed. Apply 500 litres spray mixture per hectare. Ridge at least twice during the growing season. Apply CARTAP 500 SP in a 10 to 14-day interval spray programme and alternate the product with other registered products with different mode of action (refer to IRAC Insecticide Group Code). WARNING Refer to the “ RESISTANCE WARNING ” above.
Potato leafminer (<i>Liriomyza huidobrensis</i>)	400 g / 100 ℓ water (maximum 2 kg / ha)	Fields: Apply as a full cover spray. Apply the first application as soon as infestation is noticed. Apply CARTAP 500 SP in a 7-day interval spray programme and alternate the product with other registered products with different mode of action (refer to IRAC Insecticide Group Code). Do not use dosage rates higher than recommended, as phytotoxicity may occur. WARNING Refer to the “ RESISTANCE WARNING ” above.
Tomatoes American leafminer (<i>Liriomyza trifolii</i>)	400 g / 100 ℓ water (maximum 2 kg / ha)	Fields: Apply as a full cover spray. Apply the first application as soon as infestation is noticed. Apply CARTAP 500 SP in a 7-day interval spray programme and alternate the product with other registered products with different mode of action (refer to IRAC Insecticide Group Code). Do not use dosage rates higher than recommended, as phytotoxicity may occur. WARNING Refer to the “ RESISTANCE WARNING ” above.