

Read the label before opening the container.

For full particulars, see enclosed leaflet.

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

CYDRO 480 SC

South Africa Reg. No: L11081 Act No. 36 of 1947

IRAC INSECTICIDE GROUP CODE: 4A

A systemic suspension concentrate insecticide for the control of the insects mentioned on the crops listed.

ACTIVE INGREDIENT:

Thiacloprid (chloro-nicotinyl).....480g/ℓ

Product Information: 072 678 8226
In case of poisoning: 082 446 8946

HAZARD STATEMENTS

- Harmful if swallowed.
- Harmful if inhaled.
- May cause drowsiness or dizziness
- Suspected of causing cancer.
- May damage fertility or the unborn child.
- Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

- Wash hands, forearms, and face thoroughly after handling.
- Do not eat, drink, or smoke when using this product.



enviro
— bio-chem

Registration holder: **Enviro Bio-Chem (Pty) Ltd**

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Expiry Date:

Batch No:

Date of Manufacture:

UN No. 3082

WARNINGS:

Withholding periods:

Minimum number of days between the last application and harvest:	
Apples and Pears	14 days
Peaches and Nectarines	60 days
Citrus	Do not apply later than 3 weeks after petal fall.

WITHHOLDING PERIODS BASED ON GOOD AGRICULTURAL PRACTICE AND WHEN FOLLOWED, LOCAL (SA) MRL'S WILL BE MET. FOR FRUIT DESTINED FOR EXPORT, CONSULT YOUR EXPORT AGENT OR SUPPLIER FOR THE LATEST WITHHOLDING PERIODS RELEVANT TO YOUR EXPORT MARKET.

- Harmful if swallowed.
- Harmful if inhaled.
- May cause drowsiness or dizziness
- Suspected of causing cancer.
- May damage fertility or the unborn child.
- Very toxic to aquatic life with long lasting effects. Avoid contamination of water bodies. Strictly use according to instructions to prevent damage to aquatic systems.
- The product is not toxic to adult honey bees, but can be harmful to the brood.
- Store away in a cool dry place away from food and feeds.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area within 1 day after treatment unless wearing protective clothing.
- In case of poisoning call a doctor and make this label available to him/her.

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, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease 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 event of any uncertainty.

PRECAUTIONS:

- Do not handle until all safety precautions have been read and understood.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Wash hands, forearms, and face thoroughly after handling
- Do not eat, drink, or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF exposed or concerned: Get medical advice/attention.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- Wash contaminated clothing before reuse.
- Collect spillage
- Store in a well-ventilated place. Keep container tightly closed.

- Thoroughly clean the spray equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- Triple rinse empty container in the following manner: Invert the empty container over the spray or mixing tank and allow to drain for at least 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. Add the rinsings to the content of the spray tank.
- Prevent contamination of food, feeds, drinking water and eating utensils.

RELEVANT SUBSTANCES:

Thiacloprid 49%

Naphthalenesulfonic acid sodium salt < 5%

Sodium dichloroisocyanurate < 3%

Propylene glycol < 5%

SYMPTOMS OF HUMAN POISONING:

In severe cases of poisoning the following symptoms may show: respiratory disturbances, trembling and muscular cramps, depressed muscular tone and apathetic state.

FIRST AID TREATMENT:

General advice: If exposed or concerned, get medical advice.

INGESTION: Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

SKIN CONTACT: (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical advice/attention. Wash clothing before reuse.

INHALATION: Remove person to fresh air and keep comfortable for breathing. Treat symptomatically.

EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so – continue rinsing. If eye irritation persists, get medical advice.

NOTE TO PHYSICIAN:

Treatment: Symptoms are similar to that of nicotine poisoning. Elementary aid - decontamination and symptomatic treatment. Consider gastric lavage, then charcoal (carbo medicinalis) and sodium sulphate to eliminate substance from the body.

RESISTANCE WARNING:

CYDRO 480 SC is a group code 4A insecticide. Any insect population may contain individuals naturally resistant to CYDRO 480 SC and other group code 4A insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly and exclusively in spray programmes. These resistant insects may not be controlled by CYDRO 480 SC or any other group code 4A 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, biological) into insect control programmes.
- Apply CYDRO 480 SC only once per season on citrus.

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

GENERAL INFORMATION:

- Effect on beneficial insects:

Citrus:

Aphytis lingnanensis - Harmless

Chilocorus nigritus - Very Harmful

Coccidoxenoides peregrinus - Very Harmful

Euseius citri - Harmless

Trichogrammatoidea cryptophlebiae - Slightly Harmful

Apples and Pears:

Neoseiulus californicus - Harmless

Oligota fagei - Slightly Harmful

Adult bees - Harmless; brood - Harmful

DIRECTIONS FOR USE: Use only as directed.

Poisons Helpline: 0861 555 777

Compatibility:

- **Apples and pears:** CYDRO 480 SC is compatible with most pesticides used on these crops.
- **Citrus:** CYDRO 480 SC is compatible with light to medium narrow range mineral oil.
- The compatibility of CYDRO 480 SC with other agrichemical products may be influenced by several factors e.g. quality of dilution water. As factors influencing compatibility may vary, a physical compatibility test must always be performed before such a tank mixture is sprayed. In case of uncertainty, contact the supplier or the registration holder.
- When CYDRO 480 SC is used in conjunction with any other agrichemical remedy, all **WARNINGS, PRECAUTIONS and DIRECTIONS FOR USE** mentioned on these labels, must be adhered to.

Mixing instructions:

- **Shake the container well before mixing.**
- Fill the spray tank to at least half of the required volume with clean water. Ensure sufficient agitation and then add the required measured volume of CYDRO 480 SC to the water. Do not use brackish water.
- Observe the following formulation mixing sequence if other products will be tank mixed with CYDRO 480 SC. For buffers/acidifiers; powders or granules, suspension concentrates, emulsifiable formulations (EC/EW) and wetters, pre-mix each product separately with a small volume of water before adding it to the spray tank. Thereafter, fill the tank to the required volume with clean water before maintaining agitation, to ensure thorough mixing of the spray mixture, before application commences.
- **Replace the cap directly after use.**
- Apply the prepared spray mixture as soon as possible (recommended within 4 hours). Ensure agitation during application.
- Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

Application instructions:

General:

- Do not apply during the heat of the day or if rain is pending.
- All applications must be performed with correctly calibrated spray equipment that is in good working order and which will give the desired coverage of the target area.
- Ensure that thorough penetration and droplet coverage is obtained.

APPLICATION RATES:

CROP/PEST	DOSAGE RATE	REMARKS
<u>Apples and Pears</u> Codling moth <i>(Cydia pomonella)</i>	15mℓ / 100ℓ water	Apply as full cover spray at start of a moth generation or 75% petal fall (in case of first moth generation). Thorough coverage of all parts of the trees are essential. Repeat at 2-weekly intervals. Apply a maximum of 4 treatments. To prevent or delay the development of resistance, apply products with non-related modes of action for the control of the other 2 generations of Codling Moth. Where CYDRO 480 SC is applied to control the last moth generation of the season, a product with a different mode of action should be used for the control of the first generation next season.
<u>Citrus</u> Excluding lemons and kumquat Citrus Thrips <i>(Scirtothrips aurantii)</i> and Black citrus aphid <i>(Toxoptera citricidus)</i>	30mℓ PLUS 250mℓ light to medium narrow range mineral oil per 100ℓ water	<p>CYDRO 480 SC forms part of a Thrip-spray programme.</p> <p>Apply as a single light cover spray from 100% petal fall onwards, but not later than 21 days after petal fall, depending on infestation pressure as indicated by regular scouting. Thorough coverage of the druit is important. Preceding and successive applications with non-related products registered against Thrips may be necessary, depending on infestation pressure based on scouting. Aphids present at time of CYDRO 480 SC application, will also be controlled.</p>
<u>Peaches and Nectarines</u> Oriental fruit moth <i>(Cydia molesta)</i>	15mℓ / 100ℓ water	<p>Apply one or more of the following high volume sprays with a maximum of three (3) sprays per season:</p> <p>Apply treatments between 278 and 333 degree days after each biofix*. In case of a very high first generation moth flight/infestation, 2 treatments are recommended. Apply the first at 200 degree days and the second at 10 to 14 days later.</p> <p>Monitor traps every 2 days until the biofix of the first generation has been determined and weekly thereafter. As each successive moth flight starts to decrease, monitor traps every two days until the start of the next flight, in order to accurately pinpoint biofix and then again weekly thereafter.</p> <p>Application of CYDRO 480 SC for the control of Oriental fruit moth (OFM) will also help to control Green peach aphid (<i>Myzus persicae</i>).</p> <p>The CYDRO 480 SC applications form part of an OFM control programme and further control applications should be carried out with non-related registered insecticides.</p>
<p>*Biofix is a term used to describe the start of each moth generation. It is the date on which the first sustained emergence of moths in each generation is recorded in pheromone traps (consult your advisor if in doubt concerning the determination of the biofix).</p>		