

IMIDOR 350 SC

Reg. No.: L8019 Act/Wet 36 of/van 1947
Namibia: N-AR 1083

A systemic suspension concentrate insecticide for the control of agricultural as well as house & garden pests as indicated.

'n Sistemiese suspensie konsentraat insekdoder vir die beheer van landboukundige asook huis & tuin plae soos aangedui.

IRAC INSECTICIDE GROUP CODE 4A IRAC INSEKDODER GROEPKODE

ACTIVE INGREDIENT / AKTIEWE BESTANDEEL:
imidacloprid (chloro-nicotinyl) 350 g/l imidakloprid (chloro-nikotiniel)

DISTRIBUTOR / VERSPREIDER:
PROTEK, a division of / 'n divisie van
PE-BEE AGRI (PTY) LTD / (EDMS) BPK
Co. Reg. No. / Mpy. Reg. Nr.: 2005/036308/07
P.O. Box / Posbus 72, Heidelberg, 1438
Tel.: (011) 812 9800 or 0861 PROTEK (0861 77 68 35)
www.protek.co.za

REGISTRATION HOLDER / REGISTRASIEHOUER:
Villa Crop Protection (PTY) LTD / (EDMS) BPK
Co. Reg. No. / Mpy. Reg. Nr.: 1992/002474/07
P.O. Box / Posbus 10413, Aston Manor, 1630
Tel.: (011) 396 2233
www.villacrop.co.za

EMERGENCY NO. / NOODNR.: 082 446 8946

UN Number: 2902



WARNINGS

Withholding periods:

Minimum time between the last application, harvest and grazing:	
Citrus	212 days
Tomatoes	23 days
Cabbage	93 days
Grapes	112 days
Potatoes	120 days
Wheat & Barley	28 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 **IMIDOR 350 SC** in a spray programme.

- Handle with care.
- May cause skin and eye irritation.
- Poisonous by swallowing, inhalation and skin contact.
- Toxic to fish, bees and wildlife.
- Store under lock and key in cool, dry place, away from food, feeds, seed and fertilizers.
- 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, take the patient immediately to 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 pests against the remedy concerned, as well as 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 spray mist or fumes.
- Avoid eye and skin contact.
- Wear protective overalls, rubber gloves, gumboots and face shield when the concentrate is handled and during mixing.
- 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 or 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.
- **TRIPLE RINSE** empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down 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 rinsing to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy the empty container by perforation and flattening and dispose of it in a safe way.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feed, drinking water and eating utensils.

SYMPTOMS OF POISONING

In severe cases of poisoning: apathetic state, depressed muscular tone, respiratory disturbances, trembling and muscular cramps.

FIRST AID TREATMENT

- **In case poisoning is suspected:** Remove the patient from the source of poisoning to a well-ventilated area and keep him/her calm and at rest. **Call a physician immediately.** Keep the airway clear to maintain respiration, particularly when the patient is unconscious or has vomited. Do not apply direct mouth-to-mouth respiration.
- **Skin contact:** Remove contaminated clothing and wash the contaminated areas with plenty of soap and cold water. Do not rub the skin. Get medical attention if irritation persists.
- **Eye contact:** Immediately flush contaminated eyes for 15 minutes with clean cold water, while occasionally lifting upper and lower lids. **Seek medical advice if irritation persists.**
- **Inhalation:** If breathing difficulty or irritation occur and persist, obtain medical attention. Do not apply direct mouth-to-mouth respiration.
- **Ingestion:** **Seek medical advice immediately.** Have victim rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Treat respiratory difficulty with artificial respiration and oxygen. Administration of oxygen and lavage must be performed by qualified medical personnel.

NOTE TO PHYSICIAN

There is no specific antidote available. Treat symptomatically. Check blood pressure and pulse rate frequently as bradycardia and hypotonia are possible. Provide supportive measures for respiratory and cardiac action. Give artificial respiration if signs of paralysis appear. Additional measures involve the elimination of the substance from the body or acceleration of its excretion (gastrolavage, saline laxatives).

RESISTANCE WARNING

IMIDOR 350 SC is a group code 4A insecticide. Any insect population may contain individuals naturally resistant to **IMIDOR 350 SC** and other group code 4A insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **IMIDOR 350 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, cultural, biological) into insect control programmes.
- For specific information on resistance management contact the registration holder of this product.

USE RESTRICTIONS

HONEY BEES: Do not apply onto crops as a foliar spray when Honey bees are present. Prevent drift onto surrounding crops/areas where Honey bees may visit flowering plants.

DIRECTIONS FOR USE: Use only as directed.

Compatibility:

- **IMIDOR 350 SC** is compatible with **Fenamiphos 400 EC, Nemacur® 400 EC, Procap 15 GR** and **Mocap® 150 GR**.
- The compatibility of **IMIDOR 350 SC** may be influenced by several factors. As factors influencing compatibility may vary, a physical compatibility test must always be performed before such tank mixture is sprayed. In the case of uncertainty, contact the supplier or the registration holder.
- When **IMIDOR 350 SC** 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.
- Add the required quantity of **IMIDOR 350 SC** to the water while stirring.
- Fill the spray tank with water to the required level, while maintaining agitation, to ensure thorough mixing.
- Maintain agitation during application.
- Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.
- Do not use brackish water.

APPLICATION

IMIDOR 350 SC must only be applied with a correctly calibrated sprayer that is in good working condition, to ensure that the correct dosage is evenly distributed over the target area.

APPLICATION RATES

AGRICULTURAL, HOME & GARDEN

Crop / Pest	Dosage Rate	Remarks
Cabbage Cabbage aphid (<i>Brevicoryne brassicae</i>).	380 ml / 100 l water OR 40 ml / 10 l water OR 4 ml / 1 l water	Apply as a drench over the plants at a rate of 600 ml IMIDOR 350 SC suspension per polystyrene seedling tray (standard outside dimension of 673 x 342 mm). NOTE 1. Do not apply longer than 24 hours prior to transplanting. 2. The application rate is recommended for a polystyrene seedling tray containing 200 seedlings. 3. Reduce application rates proportionally for smaller seedling trays containing less than 200 seedlings. 4. Stir the mixture thoroughly before and during application, to ensure an even application of the active ingredient.
Citrus Bearing trees: (not older than 15 years) Excluding Kumquats Aphids (<i>Toxoptera citricidus</i>), Red scale (<i>Aonidiella aurantii</i>) & Psylla (<i>Trioza erythraea</i>)	9 ml per tree	Soil drench application: Apply during August & September throughout green tip to white bud growth stage of trees. Dilute the recommended dosage rate of IMIDOR 350 SC in 1 litre of water and apply around the trunk base with a jug. Irrigate within 24 hours after application.
Aphids (<i>Toxoptera citricidus</i>)	6 ml per tree	NOTE For use on lemon trees: Apply ONLY after removal of all fruit (including immature fruit). Control can only be expected on the first fruitset after application in lemons.
NOTE 1. Apply only on healthy trees, free from stress. 2. Irrigate regularly before and after application. 3. Soil drenching must not be applied through the irrigation system. 4. Do not treat trees that were pruned recently.		

Crop / Pest	Dosage Rate	Remarks
Potatoes Aphids (<i>Myzus persicae</i>)	<u>Drench application at planting:</u> 4.0 ml / 100m row length OR 1 ml / 25 m row length (home garden / small scale planting)	Apply the mixture from ridge-tip to ridge-tip in the planting furrow using 3 to 4 litres water per 100 m furrow length. Apply before planting of the tubers. The use of 8006 or 8008 flat fan nozzles are recommended. IMIDOR 350 SC can also be applied over the row after planting, but before emergence. Irrigate immediately afterwards (± 15 mm water). To obtain simultaneous control of Aphids and Nematodes, IMIDOR 350 SC can also be used in a tank mixture with Fenamiphos 400 EC or Nemacur[®] 400 EC .
	3.0 ml / 100m row length	When IMIDOR 350 SC is mixed with Fenamiphos 400 EC or Nemacur[®] 400 EC , the IMIDOR 350 SC dosage can be reduced to 3.0 ml per 100 m row length. NOTE Ensure that the tubers are not covered by the spray mixture containing IMIDOR 350 SC when applying above mentioned mixtures. Apply in the open furrow before planting of the tubers.
	4.5 ml / 100m row length PLUS Procap 15 GR 35 kg / ha	First apply Procap 15 GR or Mocap[®] 150 GR as a broadcast application prior to planting or the formation of ridges and beds. Incorporate the granules into the soil to a depth of 150 to 250 mm. Plant the tubers soon after application, but not later than 7 days after application. Apply IMIDOR 350 SC as indicated above.
Tomatoes Whitefly (nymphs) (<i>Trialeurodes vaporariorum</i>)	0.05 ml per plant	NOTE Only for use on tomatoes in enclosed areas (e.g. glasshouses, tunnels, etc.). Apply as a soil drench 24 hours after transplanting. Mix 10 ml IMIDOR 350 SC in 20 litres water and pour 100 ml of this mixture on the soil around each plant's stem base. Irrigate within 24 hours after application and repeat the treatment 4 weeks later.
Wheat & Barley Wheat aphid (<i>Schizaphis graminum</i>) Oat aphid (<i>Rhopalosiphum padi</i>) Brown wheat ear aphid (<i>Sitobion avenae</i>) Russian wheat aphid (<i>Diuraphis noxia</i>) False chinch bugs	200 ml / ha OR 2 ml / 100m ²	Apply when pest is noticed. Best results are obtained when the crop is growing actively. Aphids on plants under stress (e.g. drought or flooded conditions) will not be controlled effectively.

Crop / Pest	Dosage Rate	Remarks
Table and Wine Grapes Mealybugs (<i>Planococcus ficus</i>)	1.5 ml / vine in 500 ml water per vine	Apply as a soil drench at budburst around the base of the stem. Follow up immediately afterwards with another 2 litres of clean water per vine. Prevent run-off by making a small basin. Irrigate within 24 hours after the treatment.
IMPORTANT NOTES The following are mandatory for the application of IMIDOR 350SC in grapevines: <ul style="list-style-type: none"> • Precede the application of IMIDOR 350SC as a soil drench with a winter/dormancy treatment for Mealybugs. • Do not apply IMIDOR 350SC under dryland conditions. Vines must be healthy, free of stress and regularly irrigated after application. • Do not apply IMIDOR 350SC through irrigation systems. • Ensure that the soil is moist at time of application. Remove leaves, weeds and other organic material that would restrict leaching of the mixture into the soil. • Regularly monitor treated vines during the growing season according to protocol guidelines. If necessary, apply Dichlorvos 1000 EC as a corrective treatment. • It is important to ensure control of Ants in order to enable natural predators and parasites to contribute towards the control of Mealybugs. 		

Conifers Aphids	Trees < 2 m tall 2 ml / 1 l water / tree Trees 2 to 2.5 m tall 4 ml / 2 l water / tree Trees 2.5 to 3 m tall 8 ml / 4 l water / tree Trees > 3 m tall 16 ml / 8 l water / tree	Apply as a preventative and curative treatment. In order to prevent die-back of trees due to Conifer aphid infestations, yearly preventative treatments are recommended. Preventative treatment: To prevent infestations, start with treatment from April until May. Apply the mixture as a soil drench treatment around the base of conifer trees. Apply a second treatment 2 months after the first application. Curative treatment: Apply the mixture as a soil drench treatment around the base of conifer trees at the first signs of infestation. Apply a second treatment 2 months after first application.
Roses Aphids	2 ml / 1 l water / rose bush	Apply the mixture as a soil drench treatment around the base of rosebushes at the first signs of infestation. Repeat treatment with 60 days interval.

Crop / Pest	Dosage Rate	Remarks
Gardens and Lawns Mole crickets (Juvenile stages)	Large areas: Apply as an overall application in at least 250 to 300 litres water per hectare at the first signs of infestation. Small areas: Apply 300 ml of the mixture per 10 m ² .	First determine the size of the Mole crickets by drenching an area on the lawn with a dishwashing liquid solution (50 ml dishwashing liquid per 10 litres water), where Mole cricket activity is evident. Mole crickets larger than 15 mm will not be controlled effectively. Repeat the treatment when necessary. For best results a preventative treatment can be applied at the end of October and repeated two (2) months later, to prevent Mole cricket outbreaks.
White grubs (Larvae of various Scarabaeidae beetle species)	OR Large areas: 500 ml / ha (10 000 m ²) OR Small areas: 17 ml / 10 l water	IMPORTANT Only first and second instar larvae will be controlled effectively. Apply as a preventative and curative treatment spraying as follows: Preventative: Treatments can be performed at beginning of November, January and March (every 60 days), to obtain season long protection in areas where White grubs are known to be a pest. Curative: Look for signs of infestation from November until April. Apply as an overall application at the first signs of infestation.
Irrigate within 24 hours after application. Do not mow the lawn until after irrigation or rainfall. Repeat when necessary.		

Consult the **Fenamiphos 400 EC**, **Nemacur[®] 400 EC**, **Procap 15 GR**, **Mocap[®] 150 GR** and **Dichlorvos 1000 EC** labels for **WARNINGS**, **PRECAUTIONS** and **DIRECTIONS FOR USE**.

The following products mentioned in this label may be replaced with an equivalent product:
 • **FENAMIPHOS 400EC** (L 7647) = **BONFIRE 400 EC** (L7646 / N-AR 1100) = **FENAMIPHOS 400 EC** (L 8345) = **NEMACUR[®] 400 EC** (L 0367 / N-AR 0057),
 • **DICHLORVOS 1000 EC** (L 4640 / N-AR 0990) = **DICHLORVOS EC** (L 8479) and
 • **PROCAP 15 GR** (L 9118) = **PHOSCAP 15 GR** (L 9119) = **MOCAP[®] 150 GR** (L 6985 / N-AR 0776).

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