

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Insecticide



# DICHLORVOS 1000 EC

Reg. No. L 4640 Act/Wet No. 36 of/van 1947  
N-AR 0990 / W 130998

6/8/6/2012-Nov2018

*An emulsifiable concentrate insecticide, with short residual action, for the control of pests as indicated.*

*'n Emulgeerbare konsentraat insekdoder, met kort nawerking, vir die beheer van plae soos aangedui.*

### ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

dichlorvos (organophosphate) **1000 g/l** dichlorvos (organofosfaat)

IRAC INSECTICIDE GROUP CODE **1B** IRAC INSEKDODER GROEPKODE



**villa**

Registration holder / Registrasiehouer:  
Universal Crop Protection (Pty) Ltd.  
Co. Reg. No. / Mpy. Reg. Nr. 1983/008184/07  
PO Box / Posbus 801, Kempton Park, 1620  
Tel: 011 396 2233  
Website / Webblad: [www.villacrop.co.za](http://www.villacrop.co.za)

UN Number: 3017

Willow Set & Print 011 394-4486



**TOXIC  
GIFTIG**



GEBRUIKSAANWYSINGS INGESLUIT

VERWYS NA BESONDERHEDE  
Date formulated: GEDRUK OP HOUER/SAK  
Formuleringsdatum:

DIRECTIONS FOR USE ENCLOSED

REFER TO DETAILS PRINTED  
ON CONTAINER/BAG  
Batch number:  
Lotnummer:

**DICHLORVOS 1000 EC**

Reg. No. L 4640 / N-AR 0990 / W 130998 Act/Wet No. 36 of/van 1947  
 IRAC INSECTICIDE GROUP CODE / IRAC INSEKODER GROEPPKODE: 1B

**ACTIVE INGREDIENT / AKTIEWE BESTANDEDEEL:**

dichlorvos (organophosphate / organofosfaat)..... 1000 g/l

Registration holder / Registrasiehouer:

**UNIVERSAL CROP PROTECTION (PTY) LTD.**

Co. Reg. No. 1983/008184/07 Mpy. Reg. Nr.

P.O. Box / Posbus 801

KEMPTON PARK, 1620 Tel. (011) 396 2233

**TOXIC****GIFTIG****WARNINGS****Withholding periods:**

<b>Minimum time between the last application and harvest or feeding:</b>	
Tomatoes and Cruciferae	2 days
Beans	3 days
Grapes	7 days

- Do not use in grain mills or stores containing unsealed edible commodities. Due to continued fumigation effect (12 hours or more), overdosing and/or disregard of warnings and precautions can have serious consequences.
- Under no circumstances leave spilt concentrate or diluted spray around, because the vapour released could be dangerous.
- Handle with extreme care.
- Poisonous when absorbed through the skin, swallowed or inhaled.
- Toxic to fish, bees and wildlife.
- **Flammable** - do not store or spray near open flames.
- Store in a cool, dry, well-ventilated place in the original container, tightly closed and secured.
- Store under lock and key, away from food, feeds, seed, fertilizers and other agricultural remedies.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area within 2 days 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 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 to the remedy concerned, as well as by the method, time and accuracy of application. The registration holder further 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 inhale the spray mist or fumes.
- Avoid contact with skin and eyes.
- Wear full protective clothing, suitable respirator, rubber gloves and boots when handling the product, preparing the spray mixture and during application.
- 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 of spray mist onto other crops, grazing, rivers, dams or areas not under treatment or to nearby water sources.
- Thoroughly clean the 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 a third 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, feeds, drinking water and eating utensils.

### **SYMPTOMS OF HUMAN POISONING**

Nausea, headache, tiredness, giddiness, blurred vision and pupillary constriction, vomiting, abdominal pain, diarrhoea, sweating and salivation. Confusion, ataxia, slurred speech, loss of reflexes are some of the central nervous system effects which may lead to misdiagnosis of acute alcoholism. After inhalation of vapours ocular and respiratory effects appear within minutes. These include marked miosis, ocular pain, conjunctival congestion, diminished vision, ciliary spasm and brow ache. With acute systemic absorption: rhinorrhoea, hyperemia of upper respiratory tract, tightness in the chest and wheezing respiration. Severe intoxication: salivation, involuntary defecation and urination, sweating, lacrimation, penile erection, bradycardia and hypotension.

**(NOTE: For more detailed information on symptoms of poisoning and treatment thereof, refer to following website: [www.villacrop.co.za](http://www.villacrop.co.za), products, MSDS's, insecticides and product name).**

### **FIRST AID TREATMENT**

- **Inhaled:** Remove the patient from the source of poisoning to a well-ventilated area and keep him/her calm and reassured.
- **Skin contact:** Remove contaminated clothing and rinse contaminated body area thoroughly with plenty of soap and cold water. Do not rub the skin.
- **Eye contact:** Flush contamination out of eyes with clean running water for at least 15 to 20 minutes, holding the eyelid(s) open.
- **If ingested:** If water diluted mixture has been swallowed, rinse mouth thoroughly with water. Do not induce vomiting due to aromatic solvent. **Seek medical attention immediately.** Administer artificial respiration or closed chest cardiac massage if necessary. **Do not** apply mouth-to-mouth respiration. **Never** give anything by mouth to an unconscious person. Take the patient to the nearest physician immediately.

### **NOTE TO PHYSICIAN**

Administer atropine as early as possible in an adequate dosage until signs of atropinisation (dry, flushed skin, tachycardia and pulse rate over 120 per minute) occur. To prevent gastrointestinal absorption by the unconscious patient who has swallowed this product, perform stomach lavage using bicarbonate solution and activated charcoal. In less severe cases begin with 2 mg atropine intravenously for adults or 0.05 mg atropine/kg body weight for children under 12 years of age and repeat administration of the drug at 15 to 30 minute intervals. Morphine and similar drugs are contra-indicated. Avoid aminoglycosides and succinylcholine, which have a blocking effect on the neuromuscular junction. Phenothiazines, reserpine and theophylline are contra-indicated.

### **RESISTANCE WARNING**

**DICHLORVOS 1000 EC** is a group code 1B insecticide. Any insect population may contain individuals naturally resistant to **DICHLORVOS 1000 EC** and other group code 1B insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **DICHLORVOS 1000 EC** or any other group code 1B 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.

**DIRECTIONS FOR USE: Use only as directed.****Compatibility:**

- Compatible with most insecticides and fungicides except alkaline products such as **Lime, Lime sulphur and Bordeaux mixture**. Mixing must be done immediately before spraying.
- The compatibility of **DICHLORVOS 1000 EC** 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.
- When **DICHLORVOS 1000 EC** is used in conjunction with any other agricultural remedy, adhere to all **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on that label.

**APPLICATION RATES**

<b>Crop / Pest</b>	<b>Dosage Rate</b>	<b>Remarks</b>
<b>Cruciferae</b> Aphids, Caterpillars of the Diamond back moth & Greater cabbage moth	100 ml / 100 ℓ water	Apply as a full cover spray when the pest is noticed. Repeat weekly or as necessary. Give special attention to underside of leaves.
<b>Cherries</b> Slugs	50 ml / 100 ℓ water	Full cover spray when the pest is noticed.
<b>Cut Flowers</b> Various flower pests (disinsectation)	1 ml / m <sup>3</sup>	For mass treatment of cut flowers. Apply as a fine mist avoiding direct application to flowers. Cover immediately with an airtight plastic tarpaulin and leave for several hours to obtain full benefit of fumigant action. May be phytotoxic to certain flowers.
<b>Flowers and Ornamentals</b> Mealy bug & Australian bug	100 ml / 100 ℓ water	Apply as a full cover spray. Ant control will materially assist in control of Mealy bug and Australian bug.
Semi-looper (Plusia)	100 ml / 100 ℓ water	Apply as a full cover spray. Repeat as necessary.
<b>Lawns</b> Lawn caterpillars	100 ml / 100 ℓ water	Apply when damage is noticed. Apply as a light full cover spray. A damp sack left on the lawn overnight will reveal infestation when the sack is removed the following morning.
<b>Proteas</b> Blotch leaf miner & Canal leaf miner	100 ml / 100 ℓ water	Apply as a full cover spray when the pest is noticed.
<b>Tomatoes and Beans</b> Semi-looper (Plusia)	100 ml / 100 ℓ water	Apply as a full cover spray when the pest is noticed. Repeat as necessary.
<b>Grapes</b> Mealy bugs	75 ml / 100 ℓ water (3.0 to 4.5 ℓ / ha)	<b>High Volume:</b> Use 4000 to 6000 litres spray mixture per hectare during spring and summer. Use 250 to 500 litres spray mixture per hectare in winter. Unless indicated differently, start spraying when pest is noticed, usually at the base of young shoots, during December. Thorough wetting is necessary. Use only as a supplementary spray to the standard programme. In the case of table grape cultivars with a relatively short harvesting period, apply one spray about 3 weeks after the last application of the standard programme. In the case of table grapes with a prolonged harvesting period, apply two sprays, the second 3 to 4 weeks after the first spray.
<b>Garbage-, Manure- and Compost heaps</b> Fly maggots	250 to 500 ml / 100 ℓ water	To control Fly breeding, apply as a full cover spray, to the outside of the heaps, when Fly breeding is noticed. Re-apply when fresh material is added.

<b>Crop / Pest</b>	<b>Dosage Rate</b>	<b>Remarks</b>
<b><u>Farmyards,</u></b> <b><u>Cowsheds, Stables,</u></b> <b><u>Pigsties and</u></b> <b><u>Storerooms</u></b> <b><i>Not for houses</i></b> Bedbugs & Cockroaches	25 to 50 ml / 10 ℓ water	Apply as a coarse droplet treatment (watering can with a fine rose); at the rate of 2 litres spray mixture per 150 m <sup>3</sup> . May be applied with a mistblower at a rate of 1 litre spray mixture per 150 m <sup>3</sup> . Remove all animals and personnel and keep tightly closed for 12 hours. Avoid contamination of milk, milking utensils, food and feedstuffs.
Flies, Mosquitoes, Grain weevils, Flower beetles & Cloth moths	50 ml / 10 ℓ water	