

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Insecticide



CAST 700 WDG

Reg. No. L 9184 Act/Wet No. 36 of/van 1947

1:27/3/2013-June2017

A systemic water dispersable granular insecticide for the control of pests as indicated.

'n Sistemiese waterdispergeerbare kontak korrelinsektdoder vir die beheer van plae soos aangedui.

ACTIVE INGREDIENT / AKTIEWE BESTANDEEL

imidacloprid (chloro-nicotinyl) **700 g/kg** imidakloprid (chloro-nikotiniel)

IRAC INSECTICIDE GROUP CODE **4A** IRAC INSEKODER GROEPKODE

kg

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

UN Number: 3077

Willow Set & Print 011 394-4486



HARMFUL
SKADELIK



GEBRUIKSAANWYSLINGS INGESLUIT

VERWYS NA BESONDERHEDE
GEDRUK OP HOUER/SAK

Date formulated:
Formuleringsdatum:

DIRECTIONS FOR USE ENCLOSED

REFER TO DETAILS PRINTED
ON CONTAINER/BAG

Batch number:
Lotnommer:

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imidacloprid (chloro-nicotinyl) / imidakloprid (chloro-nikotiniel)..... 700 g/kg

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

HARMFUL**SKADELIK****WARNINGS****Withholding periods:**

Minimum number of days between the last application and harvest:	
Apples	120 days
Citrus	212 days
Table grapes	112 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 CAST 700 WDG 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 a 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 the applicator directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- Containers and packaging must be emptied completely before being destroyed.
- **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/bag by perforation and flattening and dispose of according to local legislation.
- **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 by gastrolavage and saline laxatives.

RESISTANCE WARNING

CAST 700 WDG is a group code 4A insecticide. Any insect population may contain individuals naturally resistant to **CAST 700 WDG** 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 **CAST 700 WDG** 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.
- **CAST 700 WDG** should only be applied once per year on citrus trees.
- Do not apply more than 2 insecticidal sprays that belong to the same chemical group (4A).

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

DIRECTIONS FOR USE: Use only as directed.

Compatibility:

- The compatibility of **CAST 700 WDG** 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 **CAST 700 WDG** 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/container with clean water.
- Add the required quantity of **CAST 700 WDG** 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.

DRENCH APPLICATION

- Slightly damp soil will enhance the penetration of the product into the soil.
- Remove all weeds and debris under the tree and make a well around the tree trunk. After the **CAST 700 WDG** drench, irrigate within 1 day of treatment to wash the product into the soil.
- Another way to apply the product is to pour the drench liquid at the dripper area under the tree, where the most roots are present. If more than 1 dripper is present under a tree dripline, split the drench liquid equally between the dripper areas.

APPLICATION RATES

Crop / Pest	Dosage Rate	Remarks
Citrus Bearing trees up to 15 years. KUMQUATS ARE EXCLUDED. Aphids (<i>Toxoptera citricidus</i>), Red scale (<i>Aonidiella aurantii</i>), Psylla (<i>Trioza erythrae</i>)	4.5 g per tree	Soil drench application: Apply during mid-August & mid-September throughout green tip to white bud growth stage of trees. Dilute the recommended dosage rate of CAST 700 WDG in 1 litre of water and apply around the trunk base with a jug. Or apply at the dripper spot/area. Irrigate within 24 hours after application, but do not wash the drench below the root zone. 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.
Aphids (<i>T. citricidus</i>)	3.0 g per tree	
Non-bearing trees: Aphids (<i>T. citricidus</i>)	3.0 g per tree	Soil drench application: Apply during mid-August & mid-September. Dilute the recommended dosage rate of CAST 700 WDG in 1 litre of water and apply around the trunk base with a jug. Irrigate within 24 hours after application, but do not wash the drench below the root zone.
Leafminer (<i>Phyllocnistis citrella</i>)	4.0 g per tree	
Nursery trees: Aphids (<i>T. citricidus</i>), Leafminer (<i>P. citrella</i>)	0.75 g per seedling	Apply in 200 ml water 2 days after transplanting of grafted rootstock seedlings into plastics bags. Take care not to apply CAST 700 WDG before grafting.
Thrips (<i>Scirtothrips aurantii</i>)	1.5 g per seedling	
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. 5. Inconsistent pest control – some damage and crop losses may occur under the following conditions: <ul style="list-style-type: none"> • Application of CAST 700 WDG on trees older than 15 years. • Application through drip or micro-irrigation systems. 		

Crop / Pest	Dosage Rate	Remarks
Apples Woolly apple aphid (<i>Eriosoma lanigerum</i>)	Trees up to 6 years old: 0.5 g per tree	Soil drench application: <u>Flowering trees:</u> Apply not later than 21 days after flowering. <u>Non-flowering trees:</u> Apply during September. Dilute the recommended dosage rate of CAST 700 WDG in 1 litre of water and apply around the trunk base with a jug (ensure that this area is free of weed and mulch). Irrigate within 24 hours after application, but do not wash the drench below the root zone.
	Trees 7 to 15 years old: 1.5 g per tree	Soil drench application: Apply as instructed above.
NOTE 1. Apply only to trees not older than 15 years. 2. Apply only on healthy trees, free from stress. 3. Irrigate regularly before and after application. 4. Soil drenching must not be applied through the irrigation system.		
Table grapes Mealybug (<i>Planococcus ficus</i>)	0.75 g / vine	Soil drench application: Apply around the base of the stem within 30 days after harvest and before leaf-drop in 500 ml water per vine. Follow-up immediately with another 2.0 litres of clean water per vine. Create a small basin to contain the mixture and water around the stem. Irrigate within 24 hours after application, but do not wash the drench below the root zone. OR Apply at budburst as indicated above.
IMPORTANT – Use of CAST 700 WDG in grape vines: <ul style="list-style-type: none"> • Ant control to enable natural control of Mealybug by means of parasites/predators remains an essential part of the Mealybug control programme. • Post-harvest application must be done within 30 days after harvest and before leaf-drop and then followed by a winter treatment with an alternative registered product for the control of Mealybug. • The CAST 700 WDG treatment at budburst must be preceded by a winter treatment with an alternative registered product for the control of Mealybugs. • Do not apply to grapevines under dryland conditions. Apply only on healthy vines, free from stress. • Irrigate regularly after application. • Soil drenching must not be applied through the irrigation system. • Apply to moist soil which is free of leaves, weed and other organic material. • Observe treated vines regularly during the growing season as per guidelines. Apply DICHLORVOS 1000 EC (L 4640) as corrective treatment if required. 		

DICHLORVOS 1000 EC is a registered product of / is 'n geregisteerde produk van
UNIVERSAL CROP PROTECTION (PTY) LTD.