

HARVEST NOVAPRID 350 SC

Distributed by: Harvest Chemicals
Agrinova Trust (Reg. No. IT 000246/2011) 20 Waitara Road, Pompagalana,
Tzaneen, 0850 Tel: 087 630 0377 Fax: 086 556 7634
Product Information Tel No: 082 893 3642
In Case of Poisoning: 082 446 8946



A systemic suspension concentrate insecticide
for the control of aphid, red scale and psylla on
citrus trees; aphids on potatoes and mealybug
on grapes.

Batch No	Reg. No. L 9743, Act No 36 of 1947.		Reg Nr L9743, Wet Nr. 36 van 1947		Lot Nr
<input type="text"/>	INSECTICIDE GROUP CODE	4A	INSEKDODERGROEP KODE	<input type="text"/>	
Date of manufacture	Active Ingredient: Imidacloprid (chloro-nicotinyl)	350g/l	AktieweBestandeel:	Vervaardigings- datum	
<input type="text"/>	Nett Volume	5 l	Netto Volume	<input type="text"/>	



WARNINGS

CITRUS: Allow 212 days on citrus between application and harvest.

POTATOES: Allow 120 days between application and harvest

GRAPES: Allow 112 days between application and harvest.

NOTE: The recommended withholding period between last application and harvest meets local residue requirements but may not meet export requirements, if the treated crop is intended for the export market, consult the relevant exporting body before application of the product, regarding pre-harvest interval requirements

- Handle with care.
- Poisonous when absorbed through the skin or swallowed or inhaled.
- Toxic to fish and wildlife.
- Store in a cool place away from food and feedstuffs.
- Keep out of reach of children, uninformed persons and animals.
- In case of poisoning call a doctor and make label available to him/her.
- RE-ENTRY: Do not enter treated area within 1 day after treatment unless wearing protective clothing.
- AERIAL APPLICATION: Notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate adjacent areas or water. Please refer to SANS Code 0118 (Ariel Application of Agricultural Pesticides) for the arial application of agricultural chemicals.

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 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 fumes.
- Wash contaminated clothing daily.
- Wash with soap and water after use or accidental skin contact.
- Do not eat, drink or smoke whilst mixing, applying or before washing hands and face.
- Clean applicator after use, dispose of wash water where it will not contaminate crops, grazing, rivers and dams.
- Rinse empty container three times with a volume of water equal to at least one tenth of that of the container and add the rinsings to the contents of the tank before disposing of the container in the prescribed manner.
- Destroy empty container by perforation and flattening and never use for any other purpose.
- Prevent contamination of food, feedstuffs, drinking water and eating utensils.

SYMPTOMS OF HUMAN POISONING:

Apathetic state, depressed muscular tone, respiratory disturbances and trembling and muscular cramps in severe cases of poisoning.

FIRST AID AND TREATMENT:

General advice: Move out of dangerous area. If the patient is likely to become unconscious, place and transport in stable sideways position. Remove soiled or soaked clothing immediately.

Skin contact: Wash off immediately with soap and plenty of water and call a physician.

Eye contact: In case of contact with eyes, rinse thoroughly with water and call a physician immediately.

Ingestion: DO NOT induce vomiting. Wash out mouth with water. CALL A PHYSICIAN IMMEDIATELY.

NOTE TO PHYSICIAN:

Treatment: Treat symptomatically. Monitor respiratory and cardiac functions. Give artificial respiration if signs of paralysis appear. Give gastric lavage and then charcoal (carbo medicalis) and sodium sulfate to eliminate the substance or to accelerate its excretion from the body.

RESISTANCE MANAGEMENT:

For resistance management, **Harvest Prid 350 SC** is a group code 4A insecticide. Any insect population may contain individuals naturally resistant to **Harvest Prid 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 **Harvest Prid 350 SC** or any other group 4A insecticides.

To delay insecticide resistance:

- Avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate with products from different insecticide group code.
- Integrate other control methods (chemical, biological) into insect control programs.
- Do not apply more than 2 sprays of an insecticide that belongs to the same chemical group as **Harvest Prid 350 SC** onto citrus trees after application of **Harvest Prid 350 SC**.

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

AERIAL APPLICATION:

Aerial application of **Harvest Prid 350 SC** may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SANS 0118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- **Volume:** A spray mixture volume of 30 liters per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- **Droplet coverage:** 25 to 35 droplets per cm² must be recovered at the target area.
- **Droplet size:** A droplet spectrum with VMD of 280 to 300 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.
- **Flying height:** Maintain the height of the spray boom at 3 to 4 meters above the target. Do not spray when aircraft dives, is in a climb or when banking.
- Use suitable **atomizing equipment** that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomizers within the inner 60 to 75% of the wingspan to prevent droplets from entering the **wingtip vortices**.
- The difference in **temperature** between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C
- Stop spraying if the **wind** speed exceeds 15km/h.
- Stop spraying under **turbulent**, unstable and dry conditions during the heat of the day.
- Spraying under temperature **inversion conditions** (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80% and above) may lead to the following:
 - Reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage)
 - Damage to other sensitive crops and/ or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the Aerial Spray Operator knows exactly which fields to spray.
- Obtain an assurance from the Aerial Spray Operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

DIRECTIONS FOR USE: USE ONLY AS INDICATED. THE FOLLOWING CONDITIONS ARE MANDATORY FOR THE USE OF Harvest Prid 350 SC IN GRAPEVINES:

- 1. The post-harvest application of NovaPrid 350 SC must take place within 30 days of harvest and before leaf drop and must be followed by a winter/ dormancy treatment for the control of mealybug, using a suitable registered insecticide.
- 2. The application of NovaPrid 350 SC during spring at budburst must be preceded by a winter/ dormancy treatment for the control of mealybug, using a suitable registered insecticide.
- 3. Do not use **Harvest Prid 350 SC** under dryland conditions. Grapevines must be healthy, stress free and regularly irrigated after application.
- 4. Do not apply **Harvest Prid 350 SC** through irrigation systems.
- 5. Apply to moist soil. Leaves, weeds and other organic material would restrict leaching into the soil and must be removed before hand.
- 6. Monitor treated vines regularly during the growing season according to protocol guidelines. If necessary, apply **Dichlorvos 1000g/Lt EC** as a corrective treatment for the control of mealybug.
- 7. Control of ants remains essential to protect and allow natural occurring predators and parasites to assist in the control of mealybug.

COMPATIBILITY:

Harvest Prid 350 SC may be compatible with most commonly used agricultural remedies. However, it is advisable to do a miscibility test prior to mixing with other chemicals because the specific product formulation to be used in the mixture as well as the quality of the spray water can affect compatibility. It is therefore important to carry out the compatibility test with the spray water to be used.

MIXING INSTRUCTIONS:

Pour the required quantity of **Harvest Prid 350 SC** into the water while agitating. Do not allow the **Harvest Prid 350 SC** mixture to stand any length of time before using. Do not use brackish water.

CROP/ PEST	DOSAGE RATE	REMARKS
CITRUS BEARING TREES UP TO 15 YEARS OLD (for trees older than 15 years Please refer to Notes below) (EXCLUDING KUMQUAT)		
Aphid (<i>Toxoptera citricidus</i>) red scale (<i>Aonidiella aurantii</i>) and psylla (<i>Trioza erythraea</i>).	SOIL DRENCH: 9 m/tree	Apply during August/September at green tip to white bud growth stage of the trees. Dilute the required volume in 1litre of water and apply around the base of the trunk with a jug. Irrigate within 24 hours after application. When used on lemon trees, apply only after removal of all fruit (including immature fruit). In lemons control can only be expected on the first fruit set after application.
Aphid (<i>Toxoptera citricidus</i>)	6 mℓ/tree	Apply during August/ September in 1ℓ of water and apply around the base of the trunk with a jug. Irrigate within 24 hours after application.
NON-BEARING TREES: Aphid (<i>Toxoptera citricidus</i>)	SOIL DRENCH: 6 mℓ/ tree	Apply in 200 mℓ water 2 days after transplanting of the grafted rootstock seedlings into plastic bags.
NURSERY TREES: Aphid (<i>Toxoptera citricidus</i>)	SOIL DRENCH: 1.5 mℓ/seedling	Ensure that the NovaPrid 350 SC application does not take place prior to grafting.

NOTES:

- 1. Trees should be healthy, stress free and regularly irrigated and after application.
- 2. Do not apply to trees immediately after pruning.
- 3. Trees older than 15 years: when Harvest Prid 350 SC is used on trees older than 15 years, pest control can be inconsistent. Some pest damage must therefore be expected and crop losses can occur.
- 4. Application through drip- or micro-irrigation systems: When Harvest Prid 350 SC is applied through irrigation systems pest control can be inconsistent. Some pest damage must therefore be expected and crop losses can occur.

CROP/DISEASE	DOSAGE RATE/100 WATER	REMARKS
POTATOES: Aphid (<i>Myzus persicae</i>)	4.5 mℓ/100 m row length. 3.0 mℓ/100 m row length	<p>Spray the Harvest Prid 350 SC mixture in the planting furrow from ridge-tip before planting of the tubers. Use a 8006 or 8008 flat fan nozzle and apply in 3 to 4 ℓwater/100 m furrow length. The application may also be made, after planting but before emergence, over the row. Irrigate immediately afterwards with approx 15 mm water. Harvest Prid 350 SC may also be used in a tank mixture with Nematicur 400 EC (see Nematicur 400 EC label) or with both for the simultaneous control of aphids, Rhizoctonia and nematodes.</p> <p>When Harvest Prid 350 SC is mixed Nematicur 400 EC, the Harvest Prid 350 SC dosage can be reduced to 3.0 mℓ/100 m row length.</p> <p>Warning: when the above mentioned mixtures are applied the application should be in such a manner that the tubers are not covered by the spray mixture containing Harvest Prid 350 SC. Apply in the open furrow before planting of the tubers.</p>
<u>TABLE & WINE</u> <u>GRAPES:</u> Mealybug (<i>Planococcus ficus</i>)	1.5 mℓ per plant	<p>Apply within 30 days post harvest, but before leaf drop, as a soil drench at the base of the vines in 500 mℓ water. Follow up immediately with 2 ℓ clean water. Form a small cavity in the soil at the base of each vine to prevent runoff. Irrigate within 24 hours post application.</p> <p>OR</p> <p>Apply when vines are budding as a soil drench at the base of each vine in 500 mℓ water. Following up with 2ℓ clean water. Form a small cavity in the soil at the base of each vine to prevent runoff. Irrigate within 24 hours post application.</p> <p>REFER TO THE MANDATORY CONDITIONS UNDER DIRECTIONS FOR USE.</p>