

# HARVEST NOVAFENAPYR 360 SC

Distributed by: Harvest Chemicals  
 Registration holder: AgriNova Trust  
 No. IT 000246/2011  
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HARVEST  
CHEMICALS



A suspension concentrate contact and stomach insecticide and acaricide with translaminar activity for the control of pests as indicated.

UN No. 3082

Batch No	Reg. No. L 9952 , Act No 36 of 1947.	Reg Nr. L 9952, Wet Nr. 36 van 1947.	Lot Nr
<input type="text"/>	<b>IRAC INSECTICIDE GROUP CODE</b> 13	<b>INSEKODER GROEPKODE</b>	<input type="text"/>
Date of manufacture	<b>Active Ingredient:</b> Chlorfenapyr (pyrole)	<b>AktieweBestanddeel:</b> 360g/l	Vervaardigingsdatum
<input type="text"/>	<b>Nett Volume</b>	5l	<input type="text"/>
		<b>Netto Volume</b>	<input type="text"/>



HARMFUL  
SKADELIK



## WARNINGS

### Withholding periods:

Minimum time between last application and harvest:	
Apples and Pears	30 days
Citrus	140 days
Grapes	80 days

- Handle with care.
- Harmful by swallowing and inhalation.
- Toxic to fish, bees and aquatic invertebrates.
- Irritating to skin and eyes.
- Store under lock and key in cool, dry, well ventilated 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 and 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 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.
- Do not apply NovaFenapyr 360 SC where there is bee activity in orchards to be sprayed.

## **SYMPTOMS OF HUMAN POISONING:**

No specific symptoms of poisoning are known. If person experiences discomfort, or if poisoning is suspected after exposure to the product, follow the first aid instructions mentioned below.

## **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.
- Avoid contact with the skin, eyes and clothing.
- Remove contaminated clothing.
- If difficulties occur, obtain medical attention.
- Show container, label and/or safety data sheet to physician.
- Keep airway open to maintain breathing, especially if person 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:** Remove person to fresh air if exposure is excessive. If breathing difficultly or irritation occur and persist, obtain medical attention. Do not apply direct mouth-to-mouth respiration.
- **Ingestion:** Seek medical advice immediately. Drink large quantities of water. Induce vomiting by touching the back of the throat with your fingers. Have victim rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Treat respiratory difficulty with artificial respiration and oxygen. Qualified medical personnel must perform administration of oxygen and lavage.

## **NOTE TO PHYSICIAN**

There is no specific antidote available. Treat symptomatically.

## **RESISTANCE WARNING**

**NOVAFENAPYR 360 SC** is a group code 13 insecticide. Any insect population may contain individuals naturally resistant to **NOVAFENAPYR 360 SC** and other group code 13 insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **NOVAFENAPYR 360 SC** or any other group code 13 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 programs.

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

## **GENERAL INFORMATION**

- **NOVAFENAPYR 360 SC** is an acaricide/insecticide that shows good translaminar, but limited systemic, activity in the plant. It has an oral and contact mode of action on all stages of insects and mites, as listed below.
- Apply in enough water to ensure adequate coverage of the upper and lower leaf surfaces, all stems and branches.
- Proper timing of **NOVAFENAPYR 360 SC** application is essential for optimum control and therefore regular inspection of orchards or crops is recommended.
- If the spray-water exceeds a pH value of 7.0, the addition of an acidifying surfactant is recommended in order to increase penetration into the leaf.
- Alternate NOVAFENAPYR 360 SC applications with registered products with different modes of action, for the control of Spider mites, Banded fruit weevil (Snoutbeetle) or Potato tuber moth, to limit the possibility of development of resistance.
- When controlling Mites, apply as soon as adult female mites appear.
- **NOTE**
- Do not exceed two applications of **NOVAFENAPYR 360 SC** per season on apples, pears and grapes.

## USE RESTRICTIONS

- Do not exceed two applications of **NOVAFENAPYR 360 SC** per season on apples, pears and grapes.

## DIRECTIONS FOR USE: Use only as directed.

### Compatibility:

### Mixing instructions:

- Half fill the spray tank with clean water.
- Measure the required quantity of **NOVAFENAPYR 360 SC** and pre-mix with at least 10 litres of water. Add this mixture to the water in the spray tank, while agitating the mixture.

## APPLICATION

**NOVAFENAPYR 360 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

CROP	DOSAGE RATE	REMARKS
<b>Apples &amp; Pears</b>  Red spider mite <i>Tetranychus urticae</i> <i>[cinnabarinus]</i>	35 ml/100 l water	Regular orchard inspections are essential and at the first signs of adult female mites, a single application must be performed. Apply as a high volume spray, using the Tree-Row-Volume formula, to determine the volume of water to use per hectare. Ensure thorough wetting of the entire tree. Should mites recur in the orchards, an adulticide, which has a short pre-harvest interval, should be applied. Also refer "GENERAL INFORMATION" above. Apply from 75 % petal drop when Banded fruit weevils have been observed in cardboard traps or feeding on lower shoots. In high infestation situations early in the season, a second application must be performed 2 weeks later. Regular monitoring for Banded fruit weevil must be maintained throughout the season and if a third application is necessary; a product with a different mode of action should be used. Apply as a high volume spray, using the Tree-Row-Volume formula, to determine the volume of water to use per hectare. Ensure thorough wetting of the entire tree. Also refer "GENERAL INFORMATION" above. Apply at early blossom (before bees are introduced to the orchard) and repeat at the same dosage at 75 % petal drop (after bees have been removed). Apply as a high volume spray, using the Tree-Row-Volume formula, to determine the volume of water to use per hectare. Ensure thorough wetting of the entire tree. These treatments will also control Banded fruit weevil and early infestations of Red spider mite, if present at application.
<b>Apples</b>  Banded fruit weevil (snoutbeetle) <i>Phlyctinus callosus</i>	35 ml/100 l water	
Thrips	35 ml / 100 l water	
<b>Grapes</b> <b>For use in the Western Cape only:</b>	35 ml/100 l water	<b>Table grapes:</b> <b>For prevention of "Halo" spot:</b> Apply at 30 to 50 % caps fallen (flower) and repeat at the same dosage 14 days later. Apply between 1 000 and 2 000 litres spray mixture per hectare. Ensure thorough wetting of the entire vine. Do not use less than 350 ml product per hectare. Banded fruit weevils will also be controlled if present at application and regular monitoring for weevils must be maintained throughout the season. If a third application is necessary, a product with a different mode of action should be used. Also refer "GENERAL INFORMATION" above.
<b>Table &amp; Wine</b> Western flower thrips ( <i>Frankliniella occidentalis</i> )		<b>Table &amp; Wine grapes:</b> Apply when Banded fruit weevils have been observed in cardboard traps or feeding on lower shoots. In high infestation situations early in the season, a second application must be performed 2 weeks later. Regular monitoring for Banded fruit weevil must be maintained throughout the season and if a third application is necessary a product with a different mode of action should be used. Apply as a high volume spray, ensuring thorough wetting of the entire vine. Also refer to "GENERAL INFORMATION" above.
Banded fruit weevil (snoutbeetle) ( <i>Phlyctinus callosus</i> )	35 ml / 100 l water	
<b>Citrus</b>  <i>Thrips</i> ( <i>Scirtothrips aurantii</i> )	30 ml/100 l water	<b>Bearing trees:</b> Apply as a medium cover spray at 90 % to 100 % petal drop. Ensure that the application is performed before calyx closure. <b>Non-bearing and nursery trees:</b> Apply to each new growth flush. Do not apply more than 4 applications per season. In orchards where Mealy bug is a regular pest, use only when it is under commercial control. Also refer to "GENERAL INFORMATION" above.