

Agri
NOVAGENIX

THROTTLE

Reg. No. / Nr L11633 Act No. 36 of 1947 / Wet Nr 36 van 1947

READ THE LABEL BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS

GROUP

13

INSECTICIDE

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

'n Suspensie konsentraat kontak en maag insekdoder met translaminêre aktiwiteit vir die beheer van plaë soos aangedui.

WARNING



In case of poisoning, call the following number: Poisons Information Helpline: +27 861 555 777
EMERGENCY NUMBER: +27 82 446 8946

Hazard statements

Harmful if swallowed.

May cause an allergic skin reaction. Harmful if inhaled. Toxic to aquatic life with long lasting effects.

Precautionary statements

IF SWALLOWED: Get medical help.

IF ON SKIN: Wash with plenty of water and soap. IF

INHALED: Remove person to fresh air and keep comfortable for breathing. Specific treatment (see First Aid on this label).

If skin irritation or a rash occurs - Get medical help. Take off contaminated clothing and wash it before reuse.

Collect spillage.

Active Ingredient / Aktiewe Bestanddeel

Chlorfenapyr (pyrole).....contains 360 g a.i. per ℓ.....Chlorfenapir (pirool)

Net volume ℓ Netto volume

Batch No./Date manufactured/Expiry date: Refer to details printed on container.
UN No. / VN Nr. 2902

REGISTRATION HOLDER / REGISTRASIEHOUER:

Novagen Innovations (Pty) Ltd / (Edms) Bpk t/a Agri Novagenix
Reg. No. 2020/891524/07
6 Antwerp Street, Apex, Benoni, 1540, South Africa / Suid-Afrika



WARNINGS

- GHS Hazard statements

Harmful if swallowed May cause an allergic skin reaction Harmful if inhaled Toxic to aquatic life with long lasting effects
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Allow the following number of days between the last treatment and harvest or use as food or feed:

Citrus.....	140 days
Grapes (Table and Wine).....	80 days
Nectarines.....	30 days

IMPORTANT: The recommended withholding period between the last application and harvest meets local residue requirements but may not meet export requirements. However, it is important to note that import tolerances of other countries might potentially be exceeded. If the treated crop will be exported, first consult the relevant importer or exporting body regarding the use of this product, MRL's and recommended withholding periods. Novagen Innovations (Pty) Ltd t/a Agri Novagenix cannot accept responsibility for exported crops exceeding the import tolerances of other countries. In order to minimise possible residues, effort should be made to incorporate biological control methods which do not leave residues.

- Do not contaminate dams, rivers, lakes, or any other water sources.
- Store under lock and key in the original container in a cool, dry, well-ventilated place out of direct sunlight.
- Store away from food, feed, fertilizer, and seed.
- Keep out of reach of children, uninformed persons, and animals.
- Avoid storage at temperatures above 37°C.
- Do not store near sources of heat.
- Do not use this product in any way contrary to the directions on this label. Use of this material in a manner or at a time other than in accordance with the directions on this product label may cause excessive residues or other undesirable results.
- **Re-entry:** Do not enter treated area within 1 day after treatment unless wearing protective clothing.
- **Throttle** has been tested on some of the most important commercial cultivars without any phytotoxic effects. More susceptible cultivars may be released in future which will need to be tested; for this, apply **Throttle** to a limited test area before commercial applications are made. It is expected that **Throttle** should not leave physical marks or spray residues on dark-skinned grape varieties. This may not be true for all varieties and particularly varieties not yet commercially grown when testing was done.
- **In case of poisoning immediately call a physician and make this label available to him/her.**

DISCLAIMER

Although this remedy has been 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 insects 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 the occurrence of
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conditions, which could not have been foreseen in terms of the registration. Consult the supplier, in the event of any uncertainty.

PRECAUTIONS

- GHS Precautionary statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read carefully and follow all instructions.
Avoid breathing dust/fumes/gas/mist/vapours/spray.
Wash hands thoroughly after handling.
Do not eat, drink, or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves.
IF SWALLOWED: Get medical help.
IF ON SKIN: Wash with plenty of water and soap.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Specific treatment (see FIRST AID TREATMENT on this label)
Rinse mouth.
If skin irritation or rash occurs: Get medical help.
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Dispose of contents/container in accordance with national regulations.

- OPERATOR PROTECTION
 - Handle with care.
 - Do not inhale spray mist or fumes.
 - Avoid skin and eye contact by wearing full protective clothing (Overalls, protective rubber gloves, rubber boots and goggles or face shield) when mixing and applying the product.
 - Wear protective gloves and face shield or safety glasses when handling the concentrate.
 - All persons in direct contact with the product, including markers, must wear protective clothing-protective gloves, boots, and face shield.
 - Immediately remove all contaminated clothing and shoes.
 - Wash with soap and water after use and accidental skin contact as well as contact with contaminated clothing.
 - Should eye contact occur, flush the eyes with plenty of clean water for 15 minutes holding eyelids open. Remove contact lenses after five minutes of irrigation. Seek medical attention if irritation persists.
 - Wash contaminated clothing immediately after use.
 - Do not eat, drink, or smoke while mixing or applying the product or before washing hands and face.
- ENVIRONMENTAL PROTECTION
 - Do not contaminate dams, rivers, lakes, or any other water sources.
 - Avoid drift of spray onto other crops, grazing, rivers, dams, and areas not under treatment, especially if bees are visiting blooming crops.
 - Do not apply during periods of bee activity.
 - Clean the applicator with clean water directly after use. Dispose of the rinsate where it will not contaminate crops, grazing, rivers, dams, and boreholes.

- **STORAGE AND DISPOSAL**

- Store under lock and key in the original container in a cool, dry place out of direct sunlight.
- Avoid storage at temperatures above 37°C.
- Do not store near sources of heat.
- Store away from food, feed, fertilizer, and seed.
- **KEEP OUT OF SIGHT AND REACH OF CHILDREN**, uninformed persons, untrained personnel, unauthorised personnel and animals.
- Do not allow access to this product by children, uninformed persons, untrained personnel, unauthorised personnel, or animals under any circumstances.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Containers and packages must be completely emptied before disposal.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter, rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Destroy the triple rinsed container by perforation and flattening and do not use for any other purpose. Store appropriately until it can be disposed of via an approved collector or recycler authorised to recycle or destroy waste in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) and the relevant waste management regulations. Empty containers and product should not be burnt. Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.

RELEVANT SUBSTANCES

Hazardous ingredient	Concentration (w/v)
Chlorfenapyr	36%
Ethylene glycol	>1-<10%
Sodium alkyl naphthalenesulfonate, formaldehyde condensate blend	>1-<10%
Sodium alkyl naphthalene sulfate blend	>1-<10%

FIRST AID TREATMENT

If medical advice is needed, have product container or label at hand. Provide medical personnel with the product container, label or safety data sheet (SDS) when seeking medical attention.

General Information: Remove patient from exposed area. Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

Inhalation: Remove patient to fresh air. Lie patient down and keep warm and at rest. Keep patient calm. Monitor for respiratory distress. If breathing is irregular or stopped, ensure airway is clear and apply artificial respiration and oxygen. If mouth to mouth resuscitation is given use rescuer protection (pocket mask etc.). Keep the patient warm and at rest. Seek medical attention if irritation persists.

Skin contact: Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash thoroughly with soap and water (including hair, skin, and fingernails) for at least 15-20 minutes. Wash contaminated clothing before re-use. If symptoms persist, seek medical assistance. Persons providing first aid must wear gloves to avoid self-contamination. Do not rub skin.

Eye contact: Flush eyes immediately with plenty of clean, room temperature water for at least 15 minutes holding eyelids open. Remove contact lenses if present, after the first 5 minutes, then continue

rinsing eyes. Seek medical attention if pain or redness persists. **Seek medical attention immediately.**

Ingestion: Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting unless instructed to do so by a poison control centre or medical doctor. Prevent aspiration if vomiting occurs. Never induce vomiting or give anything by mouth to a victim who is unconscious or is having convulsions. For advice, contact the National Poisons Centre.

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.

No specific antidote known. Treat symptomatically and supportively. Treatment based on the judgement of the physician in response to symptoms of patient. For further information on the treatment of poisoning refer to the product Safety Data Sheet provided.

RESISTANCE MANAGEMENT WARNING STATEMENT

For resistance management, **THROTTLE** is a group code 13 insecticide. Any insect population may contain individuals naturally resistant to **THROTTLE** and other group code 13 insecticides. These resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **THROTTLE** or any other group code 13 insecticide.

To delay insecticide resistance:

- Avoid the exclusive repeated use of insecticides from the same insecticide group code. Alternate, or tank mix, with registered products from different insecticide group codes.
- Integrate other control methods (such as chemical, cultural, biological) into pest control programmes.
- Refer to the Insecticide Resistance Action Committee for information regarding resistance management at <https://irac-online.org> for more information.

As the occurrence of resistance cannot be forecast, users are advised to keep all treated crops under close observation. If the treatment is not effective following the use of **THROTTLE** as recommended, a resistant strain may be present. If a resistant strain is positively identified, consideration should be given to the prompt use of an insecticide with a different mode of action against which no record of resistance exists.

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

The presence of resistant insects is difficult to detect prior to use and therefore neither the Registration Holder nor the Distributor can accept responsibility for any losses as a result of **THROTTLE** not controlling resistant insects. Do not apply **THROTTLE** alone in situations where insect resistance has been confirmed. Sub-standard application of **THROTTLE** or other group code 13 insecticides will lead to inferior pest control and may assist in the development of insecticide resistance. If a resistant strain is positively identified, consideration should be given to prompt use of an insecticide with a different mode of action for which there is no record of resistance.

MODE OF ACTION

Chlorfenapyr is an acaricide/insecticide that shows good translaminar but limited systemic activity in the plant. Chlorfenapyr has an oral and contact mode of action on all stages of insects and mites. It acts by uncoupling the electron transport chain in the mitochondria, thus inhibiting the synthesis of the energy carrying molecule ATP.

DIRECTIONS FOR USE - Use only as directed.

NOTICE TO USER: This agricultural remedy is to be used only in accordance with the instructions on the label. It is an offence under Act No. 36 of 1947 to use this agricultural remedy for any purpose in a manner contrary to the directions on the label.

COMPATIBILITY

The compatibility of **THROTTLE** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used. As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made. All WARNINGS, PRECAUTIONS, USE RESTRICTIONS and DIRECTIONS FOR USE on the product labels must be fully adhered to. Consult the relevant labels for full details.

THROTTLE should not be mixed with products other than those specifically listed in this label.

USE RESTRICTIONS

- **DO NOT** exceed two (2) applications of **THROTTLE** per season on grapes and nectarines.
- The correct timing of the application of **THROTTLE** is essential to achieve optimum control and, therefore, regular inspections of orchards or crops should be carried out.
- If the spray-water pH is greater than 7.0, then the additional of a suitable acidifying buffer is recommended in order to increase penetration into the leaf.
- For the control of banded fruit weevil (Snout beetle), applications of **THROTTLE** should be alternated with suitably registered products with different modes of action in order to reduce the risk of resistance development.
- Do not apply **THROTTLE** to any crop or situation not mentioned in this instruction leaflet.
- Only apply **THROTTLE** using an accurate and safe application technique.
- If **THROTTLE** is used in a tank mixture with other recommended products, consideration should be given to the restrictions of those respective products.
- Do not apply this product in combination or tank mixture with any other product or agricultural remedy which is not specifically listed on this label. Novagen Innovations (Pty) Ltd t/a Agri Novagenix accepts no responsibility for any negative effects experienced if the instructions on this label are not adhered to, unless an Agri Novagenix representative was consulted beforehand.
- By buying this product, the buyer undertakes that the user is fully aware of and suitably trained on the hazards associated with the preparation and use of this product. By selecting this product voluntarily, the user assumes responsibility for his or her own personal protection whilst storing, mixing, and applying the product in the approved manner according to the instructions for use. The user also confirms to have consulted the SDS of this product and he/she is aware of the potential health hazards which could arise out of use and misuse of this product. Users are encouraged to keep records of all procedures followed and which personal protection equipment was used at all times. All personal protection equipment used must be kept clean and in good working order according to the manufacturer's specifications. Novagen Innovations (Pty) Ltd t/a Agri Novagenix accepts no responsibility for any adverse effects experienced if the instructions on this label are not adhered to or resulting from improper use of this product or the use of unsuitable personal protection equipment. The user has selected to use this product at his/her own free will and risk.

MIXING INSTRUCTIONS

Half fill the spray tank with suitable water. Measure the required quantity of **THROTTLE** and pre-mix with at least 10 ℓ of water. Add this premix to the water in the spray tank while agitating the mixture. Fill the tank to the required level with suitable water while maintaining agitation. **Ensure thorough agitation of the mixture in the tank during mixing and application. Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank overnight.** Spraying equipment must be thoroughly flushed out at the end of the spraying operation. Ensure that spray premixes and/or final spray mixtures are kept out of reach of children, uninformed persons, untrained personnel, unauthorised personnel and animals.

APPLICATION METHODS

Ensure that the equipment is correctly calibrated and is checked regularly during application to ensure even and accurate application. **Constant agitation throughout the spray operation is essential.** Only clean water should be used. Apply in sufficient water to ensure thorough coverage of both the leaf surfaces, all stems, and all branches.

APPLICATION RATES

CROP AND PEST	DOSAGE	REMARKS
Citrus Thrips <i>(Scirtothrips aurantii)</i>	30 ml / 100 ℓ water	Bearing trees: Apply THROTTLE as a medium cover spray at 90 % to 100 % petal drop and at the first signs of an infestation. Ensure that the application is done before calyx closure. Apply a second application 14 days after the first application. Non-bearing and nursery trees: Apply THROTTLE to each new growth flush. Do not apply more than four (4) applications per season. In orchards where Mealy bug is a regular pest, use Throttle only when the Mealy bug is under commercial control.
	Bait spray: 20 ml + 200 g white sugar / 100 ℓ water	Pre- and post-flowering period: Apply 5 to 10 litres spray mixture per tree according to tree size, when Thrips are noticed. Apply a maximum of three (3) treatments per season before middle of December.
Table and Wine Grapes: For use in the Western Cape only Banded fruit weevil (Snout beetle) <i>(Phlyctinus callosus)</i>	35 ml / 100 ℓ water	Table & Wine grapes: Apply THROTTLE 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 suitably registered product with a different mode of action should be used. Apply as a high volume spray, ensuring thorough wetting of the entire vine. Control of Western flower thrips and Bud mite could also be expected if present at the time of application.
Nectarines Banded fruit weevil (Snout beetle) (<i>Phlyctinus callosus</i>)	35 ml / 100 l water	Apply THROTTLE from 75 % petal drop when the weevils are observed in cardboard traps or feeding from lower shoots. Early season high infestations will require a second application 14 days later. Regular monitoring for Banded fruit weevil must be maintained throughout the season and if a third application is necessary, a suitably registered 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. Control of Thrips, Codling Moth and False Codling Moth could also be expected if present at the time of application.