



HOLTER

Reg. No. / Nr L11980 Act No. 36 of 1947 / Wet Nr 36 van 1947

READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN AND ANIMALS

GROUP

4A

INSECTICIDE

A water-soluble powder systemic, contact and stomach insecticide for the control of the insect pests in the crops as indicated.

’n Wateroplosbare poeier, sistemiese, kontak – en maaginsekdoder vir die beheer van die insekplae in gewasse soos aangedui.

WARNING



Hazard statements

Harmful if swallowed.

Precautionary statements

IF SWALLOWED: Get medical help.
Keep out of reach of children.

In case of poisoning, call the following numbers:

Poisons Information Helpline: +27 861 555 777

EMERGENCY NUMBER: +27 82 446 8946

Active Ingredient / Aktiewe Bestanddeel

Acetamiprid (acetamidine).....contains 200 g a.i. per kg.....Asetamipried (asetamidien)

Net volume g or kg Netto volume

Batch No./Date manufactured/Expiry date: Refer to details printed on container.
UN No. / VN Nr. 3077

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.

Allow the following number of days between the last treatment and harvest or use as food or feed and/or grazing:

Apples and Pears	50 days
Barley	60 days
Canola	56 days
Oats	70 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.

- Do not contaminate dams, rivers, lakes, or any other water sources.
- Toxic to fish, bees, and wildlife.
- Harmful if swallowed.
- May irritate eyes and skin.
- 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.
- **Re-entry:** Do not enter a treated area within 1 day after treatment unless wearing protective clothing.
- **HOLTER** has been tested on some of the most important commercial cultivars without any phytotoxic effects. More susceptible cultivars may be released in the future which will need to be tested. For this, apply **HOLTER** to a limited test area before any commercial applications are made.
- **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 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.
Wash hands thoroughly after handling.
Do not eat, drink, or smoke when using this product.

IF SWALLOWED: Get medical help.
Rinse mouth.
Dispose of contents/container in accordance with national regulations.

- OPERATOR PROTECTION

- Handle with care.
- Do not inhale powder dust or spray mist.
- 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.
- Avoid contact with skin and eyes by wearing face shield or goggles and rubber gloves when mixing the product.
- Avoid prolonged or repeated skin contact.
- Wash contaminated clothing 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.
- 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, well-ventilated place out of direct sunlight.
- 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.
- **CLEAN THE EMPTY FOIL BAG AS FOLLOWS:** Shake all the pesticide formulation out of the bag into the spray or mixing tank. Turn the bag inside out. Hold the bag over the spray or mixing tank and rinse the bag with running water for thirty seconds. Shake the rinsate off into the tank. Repeat the rinsing twice. Cut the bag into pieces and do not use for any other purpose. Store appropriately until it can be taken to a waste treatment facility authorised to destroy waste in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) and the relevant waste management regulations for disposal. Empty containers and product should not be burnt. Do not bury, burn or donate the bag to any other parties that may use it as a container for foodstuffs.

RELEVANT SUBSTANCES

Hazardous ingredient	Concentration (w/w)
Acetamiprid	20%

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 the

patient is unconscious or is having convulsions.

Inhalation: Remove patient to fresh air. Loosen clothing around neck. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance if necessary.

Skin contact: Immediately flush body and clothes with large amounts of water and soap. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Do not rub skin. Persons providing first aid must wear gloves to avoid self-contamination. Seek medical assistance if irritation occurs.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes holding the eyelids open. Remove contact lenses, if present, after the first five minutes. Seek medical assistance if irritation occurs.

Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting unless instructed to do so by a physician. Have the patient sip a glass of water if they are alert and able to swallow. For advice, contact the National Poisons Centre. If the patient is alert and able, rinse mouth thoroughly with water. **Seek medical assistance immediately.**

No specific antidote known. Treat symptomatically and supportively. For further information on the treatment of poisoning refer to the product Safety Data Sheet provided.

RESISTANCE MANAGEMENT WARNING STATEMENT

For resistance management, **HOLTER** is a group code 4A insecticide. Any insect population may contain individuals naturally resistant to **HOLTER** and other group code 4A insecticides. These resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **HOLTER** or any other group code 4A 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.
- A spray programme of mixtures or alternations with remedies with a different mode of action may delay resistant strain build-up. Imidacloprid is chemically related to acetamiprid (the active ingredient of **HOLTER**) and, as a strategy against resistance, should not be used in a **HOLTER** containing programme against mealybug.
- Integrate other control methods (such as chemical, cultural, biological) into insect control programmes.
- The choice of products to be used during one growing season should take the resistance strategy into consideration.
- 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 **HOLTER** 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 to the relevant insect pest 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 **HOLTER** not controlling resistant insects. Do not apply **HOLTER** alone in situations where insect resistance has been confirmed. Sub-standard application of **HOLTER** or other group code 4A 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

Acetamiprid is a nicotinic agonist that reacts with the nicotinic acetylcholine receptors and activates them. This activation results in hyperactivity and muscle spasms, leading to death of the target organisms. Acetamiprid is selectively toxic to insect pests.

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 any manner contrary to the directions on the label.

COMPATIBILITY

The compatibility of **HOLTER** 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. **HOLTER** is compatible with Methos (L11114) and most commonly used fungicides and insecticides. 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.

HOLTER is not compatible with alkaline spray water or products that will create an alkaline spray mixture. A suitable buffer should be used to buffer alkaline spray liquids at pH 4.2 to 5.5.

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

USE RESTRICTIONS

- **Honeybees:** Do not apply onto crops as a foliar spray when Honeybees are present. Prevent drift onto surrounding crops/areas where Honeybees may visit flowering plants.
- **DO NOT** mix with triazole fungicides as bee toxicity is dramatically synergized.
- **DO NOT** apply this product to flowering crops or weeds if bees are visiting the treatment area.
- Minimize the spray drift to reduce harmful effects on bees in habitats close to application sites.
- Do not exceed two (2) applications per season to minimize the development of resistance to **HOLTER**. Do not alternate with insecticides with a similar mode of action.
- Do not apply to trees under stress conditions (such as drought, waterlogged soils, root- and stem rot, nematodes etc.). Systemic uptake, translocation and insecticidal activity will be adversely affected by such conditions.
- Do not apply to plants which are covered in a layer of dust, as the systemic uptake of the product and contact with the insects will be sub-optimal.
- Treat trees and plants which are actively growing.
- Low temperatures will reduce the rate of systemic translocation from the site of the application to the target pest.
- Do not apply **HOLTER** to any crop or situation not mentioned in this instruction leaflet.
- Only apply **HOLTER** using an accurate and safe application technique.
- If **HOLTER** is used in a tank mix with other recommended remedies, 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 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. Dissolve the required quantity of **HOLTER** in a small volume of water and then add it to the water in the spray tank while agitating. Ensure that all lumps have dissolved before adding the rest of the water. Fill the spray tank to the required volume with suitable water while maintaining agitation. Do not use brackish water. Should tank mixtures with other products be made, follow the respective manufacturer's label recommendations. Where EC or EW formulations or oil containing adjuvants are used in combination with **HOLTER**, these products must be added last to the spray tank, when the tank is nearly filled with water to the final mixture volume.

It is recommended that **HOLTER** be used in a tank mixture with a suitably registered buffer to improve the wetting and contact between the spray mixture and waxy surfaces, especially of scale insects and mealy bugs. This will also improve the wetting of hard-to-wet young flush and fruit and will enhance the penetration and translocation of the product.

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

GROUND APPLICATION

Ensure that the equipment is correctly calibrated and is checked regularly during the application to ensure even and accurate application. It is essential to ensure thorough, even wetting of all plant parts. **Constant agitation throughout the spray operation is essential.** Use only clean water.

APPLICATION RATES

CROP AND PEST	DOSAGE	REMARKS
Apples and Pears Codling moth <i>(Cydia pomonella)</i>	50 g / 100 ℓ	Apply mid-November to mid-December (during the first or early second-generation Codling moth) at 10-14 day intervals. DO NOT exceed two (2) applications per season. Apply HOLTER as part of a Codling moth spray programme and incorporating other registered,

		non-related insecticides.
Barley and Oats (Summer and Winter rainfall areas – dry land) Brown ear aphid (<i>Sitobion avenae</i>) Common wheat aphid (<i>Schizaphis graminum</i>) Birdcherry-oat aphid (<i>Rhopalosiphum padi</i>)	50 g / ha + 100 ml / 100 l Methos or ZAP	Ensure that HOLTER is applied before a dense crop canopy is formed (before stem elongation: GS30). Ground application: Apply in at least 120 litres of water per hectare when pest is first observed. Ensure thorough coverage of all plant parts as this is essential. Repeat when necessary but do not apply later than the ear emergence stage of barley.
Canola Cabbage aphid (<i>Brevicoryne brassicae</i>)	50 g / ha + 100 ml / 100 l Methos or ZAP	Ground application: Apply in at least 120 litres of water per hectare when pest is first observed. Ensure thorough coverage of all plant parts as this is essential. Repeat when necessary but do not apply after flowering of the Canola.

Consult the label of ZAP (L6912) and Methos (L11114) for full particulars.

ACKNOWLEDGEMENT OF TRADEMARKS

ZAP (L6912)
Methos (L11114)

Rolfes Agri (Pty) Ltd
Agritech Bioscience (Pty) Ltd t/a Carabiner