

BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY. KEEP OUT OF REACH OF CHILDREN AND ANIMALS.



Insecticide

CYROMAZINE 750 WP

Reg. No. L 7424 Act No. 36 of 1947
N-AR 1114 / W 1301436

4: 25/01/2023 – Oct2023

A wettable powder systemic insect growth inhibitor with contact and stomach action for the control of certain insect pests in crops as indicated.

ACTIVE INGREDIENT

cyromazine

750 g/kg

GROUP

17

INSECTICIDE



WARNING

Hazard Statements:

May be harmful if swallowed or in contact with skin.
Causes mild skin irritation.
Causes serious eye irritation.
Harmful if inhaled.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Avoid release into the environment.
Use only outdoors or in a well-ventilated area.



UN Number: 3077

Registration holder: VILLA CROP PROTECTION (PTY) LTD.
Co. Reg. No. 1992/002474/07
65 Botes Road, Glen Marais, Kempton Park, 1619
Tel. (011) 396 2233
Website: www.villacrop.co.za

24 HR EMERGENCY NUMBERS:
Griffon Poison Centre: +27 82 446 8946
24 HR Transport / Spill Emergency no: (Hazcall24) +27 86 044 4411
(Client: Villa Crop Protection)

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED

Batch Number:
Date of Manufacture:

CYROMAZINE 750 WP

Reg. No. L 7424 Act No. 36 of 1947

N-AR 1114 / W1301436

INSECTICIDE GROUP CODE: 17

ACTIVE INGREDIENT:

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WARNINGS**Withholdings periods:**

Minimum number of days between the last application and harvest:	
Tomatoes	3 days
Potatoes	28 days

NOTE

ABOVE-MENTIONED WITHHOLDING PERIODS REFER TO COMPLIANCE WITH LOCAL MAXIMUM RESIDUE LIMITS (MRL'S). HOWEVER, IT IS IMPORTANT TO NOTE THAT IMPORT TOLERANCES OF OTHER COUNTRIES MIGHT POSSIBLY 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.

Hazard statements:

May be harmful if swallowed or in contact with skin.
Causes mild skin irritation.
Causes serious eye irritation
Harmful if inhaled.
Very toxic to aquatic life with long lasting effects.

- Store in a cool, dry place, away from food and feeds.
- Keep out of reach of children, uniformed persons and animals.
- Re-entry: Do not enter treated area until spray deposit has dried unless wearing protective clothing.

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 to the remedy concerned, as well as by the method, time and accuracy of application. The registration holder further 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 event of any uncertainty.

PRECAUTIONS**Precautionary statements:**

Avoid breathing dust, fume, gas, mists, vapours or spray.
Wash hands thoroughly after handling. Do not touch eyes.
Use only outdoors or in a well-ventilated area.
Avoid release into the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF SWALLOWED: Get medical help.
IF ON SKIN: Get medical help.
If skin irritation occurs: get medical help.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation occurs: get medical help.

If eye irritation persists: Get medical help
Collect spillage.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Wash thoroughly with soap and water after application and accidental contact.
- Wash contaminated clothing after use.
- Do not eat, drink or smoke while mixing, applying or before washing hands and face and change of clothing.
- Prevent spray drift and/or contamination onto other crops, grazing, rivers, dams or any other areas not under treatment.
- Clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, rivers or dams.
- Containers and packages must be completely emptied before being disposed of.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain. Thereafter rinse the empty container three (3) times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler (www.croplife.co.za). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.
- **CLEAN THE EMPTY PAPER BAG AS FOLLOWS:** Shake all the pesticide formulation out of the bag into the spray or mixing tank or if it is directly dispensed onto treatment areas, over the area. Turn the bag inside out. Hold the bag over the spray or mixing tank or treatment area 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 dispose of via normal refuse disposal. Do not bury, burn or donate the bag to any other parties that may use it as container for food stuffs.
- Shake out thoroughly into the mixing tank and destroy the empty container thereafter.
- **Never** re-use the empty container for any other purpose.
- **Do not burn the empty container.**
- Prevent contamination of food, feeds, drinking water and eating utensils.

Relevant hazardous components	
Cyromazine	75 %
Sodium lauryl polyoxyethylene ether sulphate	<5%
Tensopol SP USP (Sodium dodecyl/ lauryl sulphate)	<5%

FIRST AID MEASURES

General advice: Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure.

Inhalation: Remove person from contaminated area to fresh air and assist breathing as needed. **Obtain medical attention.**

Skin: Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. **Obtain medical attention if irritation occurs.**

Eyes: Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. **Obtain medical attention if eye irritation persists.**

Ingestion: **Seek medical attention** or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

Advice to physician: Treat symptomatically and supportively. No specific antidote known. If a large amount of **Cyromazine** has been ingested and if copious vomiting has not already occurred, the stomach must be emptied, and steps taken to limit gastrointestinal absorption. If the patient is fully alert and nervous system depression is not anticipated, oral administration of Syrup of Ipecac is probably the best way to empty the stomach.

Caution: Observe the victim closely after administering Ipecac. If consciousness level declines, or if vomiting has not occurred in 15 minutes, proceed to intubate, aspirate and lavage the stomach with isotonic saline or sodium bicarbonate solution. Following emesis, have the victim drink a suspension of activated charcoal in water to limit toxicant absorption.

Mode of action: CYROMAZINE 750 WP is a systemic insect growth regulator active by contact, absorbed by roots and translocated acropetally in the xylem, when applied to the soil, translaminar mobility, when applied to leaves. Interferes with moulting and pupation. It disrupts dipteran moulting, resulting in growth regulation, acting at an unknown target site.

PRODUCT INFORMATION

- **Cyromazine** is a translaminar and systemic insect growth inhibitor that interferes with the moulting process of young larvae and prevents pupation but has no effect on adults.
- **Cyromazine** is particularly effective against *Liriomyza* leafminer species.

USE RESTRICTION

- **Do not** use in nurseries.

RESISTANCE WARNING

CYROMAZINE 750 WP is a group code 17 insecticide. Any insect population may contain individuals naturally resistant to **CYROMAZINE 750 WP** and other group code 17 insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **CYROMAZINE 750 WP** or any other group code 17 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.

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

- The presence of **Cyromazine** resistant strains of the American leafminer may result in poor control.
- Where resistance occurs, avoid the build-up of American leafminer resistance against **CYROMAZINE 750 WP**.
- To avoid build-up of resistance, use an alternative registered product with different chemistry and mode of action such as **Abamectin 18 g/l EC**.

DIRECTIONS FOR USE: Use only as directed.**Scouting:**

- In order to determine the time of application, it is recommended to use a scouting system and economic threshold values.

Compatibility:

- **CYROMAZINE 750 WP** is **NOT COMPATIBLE** with **Lufenuron**.
- The compatibility of **CYROMAZINE 750 WP** with other products may be influenced. As changing factors may vary, a physical compatibility test must always be performed before such tank mixture is sprayed.
- When **CYROMAZINE 750 WP** 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 and application:

- Mix the recommended quantity of **CYROMAZINE 750 WP** in a small quantity of clean water to a slurry.
- Half fill the spray tank with clean water, add the slurry mixture and ensure thorough agitation.
- Keep the agitator running whilst the balance of the water is added to the premix in the tank.
- Ensure that thorough agitation of the mixture is maintained during mixing and spraying.

Application:

- It is important to 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.
- A mistblower or any medium or high-volume sprayer, which is equipped with an efficient agitation mechanism, may be used.
- Ensure that the application equipment is correctly calibrated and in a good working condition.

APPLICATION RATES

Crop / Pest	Dosage Rate	Remarks
Potatoes Potato leafminer (<i>Liriomyza huidobrensis</i>)	200 g / ha	High volume application: Apply as a complete full cover spray to the point of run-off. Apply in up to 600 litres water per hectare, depending on the plant size. Apply in a spray programme with Abamectin 18 g/l EC . Start with Abamectin 18 g/l EC after emergence of the crop and follow-up with CYROMAZINE 750 WP till flowering. Apply at least 2 successive sprays at 7-day intervals.
Tomatoes American leafminer (<i>Liriomyza trifolii</i>)	Apply in a spray programme. Apply when the threshold level is reached. Repeat sprays at 7-day intervals.	
	20 g / 100 l water	High volume application: Apply as a complete full cover spray to the point of run-off. Apply up to 1000 litres spray mixture per hectare or more, depending on plant size.
	20 g / 100 l water 100 to 150 g / ha	Low volume application: The same amount of CYROMAZINE 750 WP must be used as recommended for high volume spraying. The dosage rate per hectare for low volume application must be increased gradually from 100 g per 500 litres, 125 g per 750 litres to a maximum of 150 g per 1000 litres water. Thereafter maintain the rate of 150 g per hectare irrespective of the volume of water used per hectare.

COMMENTS FOR TOMATO USE

A higher dosage rate of 30 g per 100 litres water can be used where unsatisfactory control is observed with **CYROMAZINE 750 WP**, at the above-mentioned rates.

The dosage rate per hectare for low volume application must also be increased gradually from 150 g per 500 litres, 175 g per 750 litres to a maximum of 200 g per 1000 litres water. Thereafter maintain the rate of 200 g per hectare irrespective of the volume of water used per hectare.