

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Insecticide



CYROZINE 500 WDG

Reg. No. L 9594 Act/Wet No. 36 of/van 1947

1: 16/7/2014 – June 2017

A wettable granule insect growth inhibitor with contact and stomach action for the suppression of adult Flies and the control of Fly larvae populations in animal housing and feedlots as indicated.

'n Benatbare korrel insek groei-inhibeerder met kontak- en maagaksie vir die onderdrukking van volwasse Vlieë en die beheer van Vlieg larwes in diere huisvestings en voerkrale soos aangedui.

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

cyromazine **500 g/kg** siromasien

IRAC INSECTICIDE GROUP CODE **17** IRAC INSEKODER GROEPKODE

kg

villa 
PUBLIC HEALTH

Registration holder / Registrasiehouer:
Universal Crop Protection (Pty) Ltd.
Co. Reg. No. / Mpy. Reg. Nr. 1983/008184/07
PO Box / Posbus 801, Kempton Park, 1620
Tel: 011 396 2233

Website / Webblad: www.villacrop.co.za
24 HR EMERGENCY NUMBER:

Griffon Poison Information Centre: 082 446 8946

UN Number: 3077

Willow Set & Print 011 394-4486



**CAUTION
VERSIGTIG**



GERBUIKSAANWYINGS INGESLUIT

VERWYS NA BESONDERHEDE
GEDRUK OP HOUER/SAK

Date formulated:
Formuleringsdatum:

REFER TO DETAILS PRINTED
ON CONTAINER/BAG

Batch number:
Lotnommer:

DIRECTIONS FOR USE ENCLOSED

CYROZINE 500 WDG

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IRAC INSECTICIDE GROUP CODE / IRAC INSEKODER GROEPKODE: 17

ACTIVE INGREDIENT / AKTIEWE BESTANDEEL:

cyromazine / siromasien 500 g/kg

Registration holder / Registrasiehouer:

UNIVERSAL CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1983/008184/07 Mpy. Reg. Nr.

P.O. Box / Posbus 801, KEMPTON PARK, 1620

Tel. (011) 396 2233

CAUTION / VERSIGTIG**WARNINGS**

- Do not spray on humans.
- Avoid contamination of feed, feedstuffs, eating utensils and drinking water.
- Do not treat surfaces where foods or packing may be prepared or stored.
- Ventilate treated rooms or buildings.
- Harmful when swallowed or inhaled.
- Irritating to eyes and skin.
- When opening the container, preparing for spray, using the pre-spray and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length rubber gloves and impervious footwear.
- If dust is present, wear a disposable dust mask.
- Wash hands after use.
- After each day's use, wash gloves and contaminated clothing.
- Store in a cool, dry place, away from food and feeds.
- Keep out of reach of children, uninformed 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

- Avoid inhalation of the dust or the spray mist.
- Wash thoroughly with soap and water after application and accidental contact.
- In case of eye contamination, rinse the eyes thoroughly with plenty of clean, cold water for at least 15 minutes. If irritation persists obtain medical attention.
- Do not eat, drink or smoke while mixing, applying or before washing hands and face or change of clothing.
- Prevent spray drift and/or contamination onto any other areas not under treatment.
- **Do not** contaminate ponds, waterways or drains with product or used container or wash residues from treated surfaces into these water bodies.
- Clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, or grazing.
- Containers and packages must be completely emptied before being disposed of.
- 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.

SYMPTOMS OF HUMAN POISONING

Direct contact with the product may cause moderate skin irritation. Not a skin sensitizer. Ingestion of large volumes can cause nausea, vomiting, abdominal distress and diarrhoea. Inhalation of the dust may be irritating to the nose, throat and upper respiratory tract.

FIRST AID TREATMENT

- **Inhalation:** Move the victim to fresh air or remove source of contamination. Monitor for respiratory distress. Administer oxygen or artificial respiration if needed. Seek medical attention if necessary.
- **Skin contact:** Move the victim to fresh air and remove all contaminated clothing, shoes and leather goods. Gently wipe off excess chemical. Wash affected skin areas gently and thoroughly with water and non-abrasive soap. Do not rub the skin. If irritation persists, seek medical advice. Persons who become sensitized may require specialized medical management. Wash contaminated clothing thoroughly.
- **Eye contact:** Flush the eyes immediately with gently flowing lukewarm water for at least 20 minutes. Hold eye lids apart to rinse the entire surface of the eyes and lids. Do not apply any medicating agents except on advice of a physician. If irritation persists, seek medical advice.
- **Ingestion:** Seek medical advice immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Let the patient rinse his/her mouth thoroughly with clean water. If person is conscious administer 30 to 60 g activated charcoal in 150 to 300 ml water.

NOTE TO PHYSICIAN

No specific antidotes are available. If a large amount of **CYROZINE 500 WDG** 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.

USE RESTRICTIONS**Protection of Livestock:**

- **DO NOT apply directly to animals.**
- Do not apply to animal feedstuffs, troughs and drinking and avoid contamination thereof.

Protection of Wildlife, Fish, Crustaceans and Environment:

- **DO NOT** contaminate ponds, waterways or drains with the product or used container or wash residues from treated surfaces into these water bodies.
- If applying manure to crops, **DO NOT** apply wet manure. Either dry or compost the manure before applying.

RESISTANCE WARNING

CYROZINE 500 WDG is a group code 17 insecticide. Any insect population may contain individuals naturally resistant to **CYROZINE 500 WDG** 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 **CYROZINE 500 WDG** 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.

PRODUCT INFORMATION

- **CYROZINE 500 WDG** is an **INSECT GROWTH REGULATOR** that affects the moulting process of Fly larvae. **CYROZINE 500 WDG does not kill adult Flies.** The elimination of adult Flies is therefore a gradual process.
- **CYROZINE 500 WDG** does not control Sphaeroceridae larvae (Small dung flies).

DIRECTIONS FOR USE: Use only as directed.

- It is recommended to use **CYROZINE 500 WDG** as part of an integrated Fly control program.
- Use knockdown products such as **Lambda Fly Secure** or **Polytrin® Super Pest Kill** to control adult Flies present or re-infestations of animal housing areas.

Mixing instructions and application:

- Mix the recommended quantity of **CYROZINE 500 WDG** 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 pre-mix in the tank.
- Ensure granules are dissolved in water before applying
- Ensure that thorough agitation of the mixture is maintained during mixing and spraying.
- Use mixtures on the day of preparation. If the mixture is allowed to stand, stir well before using.

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.

APPLICATION RATES**IMPORTANT NOTE**

Animals can remain in buildings being treated, however care must be taken to ensure the product is not applied directly to the animals.

<i>Situation & Pest</i>	<i>Dosage Rate per 10 m² area</i>	<i>Remarks</i>
<u>Piggeries</u> House fly (<i>Musca domestica</i>)	<p><u>Wet manure:</u> Scatter 10 g dry granules</p> <p>OR</p> <p><u>Dry manure:</u> Watering can: 10 g per 10 ℓ water</p> <p>OR</p> <p><u>Walls and floor treatment:</u> Sprayer: 10 g per 1 ℓ water</p>	<p><u>Farrow to Finish Units.</u> Treat clean empty pens. Pay particular attention to flush drains and areas where dung and waste accumulate. Treat between batches or as required.</p> <p><u>All in all out Systems.</u> Treat the empty unit and outside storage areas between batches.</p> <p><u>Deep Litter Systems.</u> Treat clean empty sheds between batches. Apply before the litter is spread paying particular attention to areas around the drinkers and feeders which tend to remain moist.</p> <p><u>Outside Storage Areas.</u> Treat effluent storage tanks and solid storage areas.</p> <p>Apply a second treatment 21 days after the first. For wall and floor areas, apply a second spray 7 days after the first.</p>
<u>Poultry Farms</u> House fly (<i>Musca domestica</i>)	<p><u>Wet manure:</u> Scatter 10 g dry granules</p> <p>OR</p> <p><u>Dry manure:</u> Watering can: 10 g per 10 ℓ water</p> <p>OR</p> <p><u>Walls and floor treatment:</u> Sprayer: 10 g per 1 ℓ water</p>	<p><u>Conventional Layer Farms:</u> Treat the wall and floor area of the house. Follow up with a second treatment 7 days later. Treat the area underneath cages where dung accumulates. Apply a second treatment 21 days later. Repeat if necessary.</p> <p><u>High Rise Sheds:</u> Apply to the walls and floor area. Treat the entire manure area evenly. First treatment ideally when the manure is less than 10 cm deep. Second treatment 21 days later. A third treatment may be necessary if the first treatment was made on manure deeper than 10 cm.</p> <p><u>Controlled Environment Sheds:</u> Treat the wall and floor areas. Before restocking, treat the manure belts and outside storage receptacles. Repeat 21 days later and again if necessary. For other poultry facilities such as broiler farms and duck farms, follow recommendations for deep litter piggeries.</p>

Situation & Pest	Dosage Rate per 10 m² area	Remarks
<u>Cattle in feedlots or rearing pens</u> House fly (<i>Musca domestica</i>) Stable fly (<i>Stomoxys calcitrans</i>)	<u>Alternative application: 20 m x 0.5 m strip</u> <u>Wet manure:</u> Scatter 10 g dry granules OR <u>Dry manure:</u> Watering can: 10 g per 10 ℓ water OR Sprayer: 10 g per 1 ℓ water	Fly breeding areas will likely occur where manure is not compacted such as along walls or fences. In order to minimise wastage, do not spray outdoor feedlot areas when windy. Repeat in the case of bulk manure piles when heavy Fly infestation occurs, but allow at least 21 days between treatments.
<u>Cattle on mesh floors</u> House fly (<i>Musca domestica</i>) Stable fly (<i>Stomoxys calcitrans</i>)	<u>For 10 m²</u> Scatter 10 g dry granules	Treat entire floor area evenly. Two (2) treatments, 7 days apart are usually sufficient.
<u>Horse stables</u> House fly (<i>Musca domestica</i>) Stable fly (<i>Stomoxys calcitrans</i>)	<u>Alternatives for 10 m²</u> 10 g dry granules OR Watering can: 10 g per 10 ℓ water OR Sprayer: 10 g per 1 ℓ water	For best results, apply CYROZINE 500 WDG on walls floors and bedding areas that are not compacted. Repeat after 7 days if necessary.

The following products mentioned in this label may be replaced with equivalent products:

- **LAMBDA FLY SECURE** (L 9463) = **JUDO FLY SECURE** (L 9461) and
- **POLYTRIN® SUPER PEST KILL** (L 9263) = **ALPHA-THRIN PEST KILL** (L 9441 / N-AR 1484).

LAMBDA FLY SECURE is a registered product of / is 'n geregistreerde produk van **UNIVERSAL CROP PROTECTION (PTY) LTD.**

JUDO FLY SECURE and/en **ALPHA-THRIN PEST KILL** are registered products of / is geregistreerde produkte van **VILLA CROP PROTECTION (PTY) LTD.**

POLYTRIN® is a registered trademark of / is 'n geregistreerde handelsmerk van **VILLA CROP PROTECTION (PTY) LTD.**