

Read the label before opening the container.

For full particulars, see enclosed leaflet.

# CYGON

South Africa Reg. No: L7230 Act No. 36 of 1947

A wettable powder systemic contact and stomach insect chitin synthesis inhibitor for the control of American leaf miner in tomatoes and green beans, potato leaf miner in potatoes and fungus gnats and mushroom flies in cultivated mushrooms.

IRAC INSECTICIDE GROUP CODE: 17

**ACTIVE INGREDIENT:**

Cyromazine .....750g/kg

Product Information Tel No: 072 678 8226

In case of poisoning: 082 446 8946

[www.envirobiochem.co.za](http://www.envirobiochem.co.za)

Expiry Date:

Batch No:

Date of Manufacture:

**UN No. 3077**

**enviro**  
bio-chem

**Registration holder:**

RT Chemicals CC

Reg. No: CK 87/21925

44 Kerk Street, Lichtenburg

North West, South Africa 2740

Tel: +27 87 231 7261



CAUTION  
VERSIGTIG



## **WARNINGS:**

**Withholding Period:** Allow the following minimum number of days between last application and harvest:

Green Beans	3 days
Mushrooms	14 days
Tomatoes	3 days
Potatoes	28 days

- Handle with care.
- Mild skin irritant.
- Store under lock and key, away from food and feedstuffs in a cool place.
- 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 climatic and storage conditions; quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the pest 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:**

- Do not inhale insecticide dusts or spray mist.
- Avoid contact with skin.
- Wear rubber gloves when preparing spray mixture.
- Do not eat drink or smoke whilst applying or mixing or before washing hands and face and change of clothing.
- Wash contaminated clothing daily.
- After use and in case of accidental skin contact, wash thoroughly with soap and water.
- Prevent drift of spray mist onto other crops, grazing, rivers, dams or areas not under treatment.
- Rinse the container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner.
- Destroy empty container by perforation and flattening and never use for any other purpose.
- Prevent contamination of food, feeds, eating utensils and drinking water.

## **RESISTANCE WARNING:**

For resistance management, **CYGN** is a **group code 17** insecticide. Any insect population may contain individuals naturally resistant to **CYGN** 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 **CYGN** or any other **group code 17** insecticide.

To delay insecticide resistance:

- Avoid exclusive repeated use of insecticide from the same insecticide group code.
- Alternate or tank mix with products from different insecticide 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.

A potential exists for poor control of American leaf miner due to **CYGN** resistant strains. Use **ABAMEC PLUS** (Reg. No. L5888) as an alternative on tomatoes.

## **DIRECTIONS FOR USE:** Use only as indicated.

### **Compatibility:**

The compatibility of **CYGN** has not been tested with other products and it may be influenced by the formulation of the products involved as well as quality of the water. A physical compatibility test should always be carried out prior to application.

**NOTE:** **CYGN** is not compatible with lufenuron and endosulfan.

**Mixing Instructions:**

Pre-mix the required quantity of **CYGN** with a small volume of clean water to form a slurry.

Half fill the spray tank with clean water and add the slurry while stirring.

Add water to the desired spray volume.

Keep the spray mixture agitated during mixing and spraying.

**Application Techniques:**

Apply by means of a mist blower or any low, medium or high volume spray equipment with efficient agitation that provides adequate and even distribution of the droplets on the target area.

CROPS	DOSAGE	REMARKS	
<b>MUSHROOMS</b> Fungus Gnats (method 1 only) <i>Lycoriella Auripilla</i>  Phorid flies (method 1 only) <i>Megaselia Halterata</i>  Dung Flies (method 1 only) <i>Pullimosina Heteroneura</i>	0.4 - 0.8g/m <sup>2</sup>	<b>Compost application (wet mass):</b> <b>Method 1: Incorporation</b> Incorporate into the compost during filling as soon as possible after pasteurization according to the table below. Use sufficient water and a fine spray mist. Adjust the rates in proportion for other fill masses.	
		<b>FILL MASS</b>	<b>CYGN</b>
		60kg/m <sup>2</sup> 90kg/m <sup>2</sup> 120kg/m <sup>2</sup>	0.4g 0.6g 0.8g
Only for low populations of fungus gnat	0.7g/m <sup>2</sup>	<b>Compost application:</b> <b>Method 2: Surface drench</b> Apply <b>CYGN</b> in 1.5 to 2.0ℓ water per m <sup>2</sup> surface area.	
	0.5g/m <sup>2</sup>	<b>Casing application:</b> To prevent damage to the mushrooms in the casing layer. Apply <b>CYGN</b> as a surface drench to casing layer in 1.0 to 1.5ℓ water per m <sup>2</sup> . Application must occur within the first two days after casing. <b>NOTE:</b> Follow up application in the cropping cycle and in between breaks is not recommended.	
<b>TOMATOES &amp; GREEN BEANS</b> American Leaf Miner <i>Liriomyza Trifolii</i>	Apply in a spray programme and repeat at 7 day intervals when the threshold levels are again reached. Do not use in nurseries.		
	20g/100ℓ water	Low to medium volume spray or mist blower (100 to 500ℓ spray volume per ha). Ensure complete coverage of plants.	
	15g/100ℓ water	High volume spraying (500 to 1 000ℓ spray volume per ha). Apply as a full cover spray to point of runoff using up to 1 000ℓ spray mixture or more per hectare depending on plant size.	
<b>POTATOES</b> Potato Leaf Miner <i>Liriomyza Huidobrensis</i>	30g/100ℓ water	Low to medium volume spray or mist blower (100 to 500ℓ spray volume per ha). Ensure complete coverage of plants.	
	20g/100ℓ water	High volume spraying (500 to 1 000ℓ spray volume per ha). Apply as a full cover spray to point of runoff using up to 1 000ℓ spray mixture or more per hectare depending on plant size.	