



An Agricultural  
Sciences Company

# Circaden® 200 SC

Insecticide

POWERED BY  
CYAZYPYR®  
ACTIVE INGREDIENT



## CIRCADEN® 200 SC INSECTICIDE – POWERED BY CYAZYPYR®

**Circaden® 200 SC** insecticide contains Cyazypyr® active ingredient, the second active ingredient from the anthranilic diamide class of chemistry, and the first to control a cross-spectrum of chewing and sucking pests. **Circaden® 200 SC** insecticide provides excellent protection of foliage and developing fruit from important species of whitefly, aphids, thrips, leafminers, beetles, weevils, and Lepidoptera.

**Circaden® 200 SC** insecticide enters larvae primarily by ingestion, but also by contact exposure of the pest species and typically results in rapid feeding cessation within a few hours of exposure preventing foliar damage, fruit scarring and virus transmission. The formulation in **Circaden® 200 SC** insecticide is designed for maximum leaf penetration and movement within the leaf, which enhances the product's ability to control a wide range of pests. It delivers a novel mode of action for sucking pests and controls pests that are resistant to other insecticides, making **Circaden® 200 SC** insecticide an excellent new tool for Integrated Resistance Management programmes.

**Circaden® 200 SC** insecticide is effective against multiple pest life stages. Its selectivity to non-target arthropods helps conserve natural enemies. When used at the beginning of a pest infestation, **Circaden® 200 SC** insecticide can prevent or delay the growth of populations of highly prolific pests such as whitefly, aphids, and thrips. Studies have demonstrated that Cyazypyr® active ingredient has low toxicity to birds, fish, mammals, earthworms and micro-organisms, and it breaks down rapidly in the environment. It has a favourable environmental and toxicological profile and low use rates.

## CIRCADEN® 200 SC INSECTICIDE AT A GLANCE

Registration No.	L11488
Active ingredients	Cyazypyr® active ingredient* 200 g/l
Chemical class	IRAC Group 28 – Anthranilic diamide

## CROPS AND PESTS CONTROLLED

Refer to label for application rates and time of application

CROPS	PESTS CONTROLLED
Cabbage	Aphids ( <i>Brevicoryne brassicae</i> ), African Bollworm ( <i>Helicoverpa armigera</i> ), Diamond Back Moth ( <i>Plutella xylostella</i> ), Cabbage Webworm ( <i>Hellula undalis</i> )
Sweet Peppers	African bollworm larvae ( <i>Helicoverpa armigera</i> ), Green peach aphids ( <i>Myzus persicae</i> ), Thrips ( <i>Thrips sp.</i> ), Glasshouse White Fly ( <i>Trialeurodes vaporariorum</i> )
Tomatoes	White flies ( <i>Bemisia tabaci</i> ), African bollworm ( <i>Helicoverpa armigera</i> ), Leaf miner ( <i>Liriomyza trifolii</i> and <i>L. huidobrensis</i> ), Potato tuber moth ( <i>Phthorimaea operculella</i> ), Tomato leaf miner moth ( <i>Tuta absoluta</i> )

## QUICK FEEDING CESSATION

**Circaden® 200 SC** insecticide stops larval feeding very quickly and is superior to most competitors in this respect. This effect is due to impaired muscular movement of the insect almost instantly after exposure. The very rapid feeding cessation provides nearly immediate plant protection. Although unable to feed further, some larvae may not die until a few days after treatment. Affected larvae, that are either moribund and not feeding or dead, may temporarily adhere to the leaf from dried insect regurgitation that may occur after exposure to this mode of action.

**USE PLANT PROTECTION PRODUCTS SAFELY AND WITH RESPONSIBLE CARE.  
PLEASE ALWAYS FOLLOW THE LABEL WHEN APPLYING PLANT PROTECTION PRODUCTS.**



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Insecticide

## OUTSTANDING EFFICACY

**Circaden® 200 SC** insecticide delivers exceptional control of all major worm pests, including cutworm, bollworm, and tobacco leaf miner.

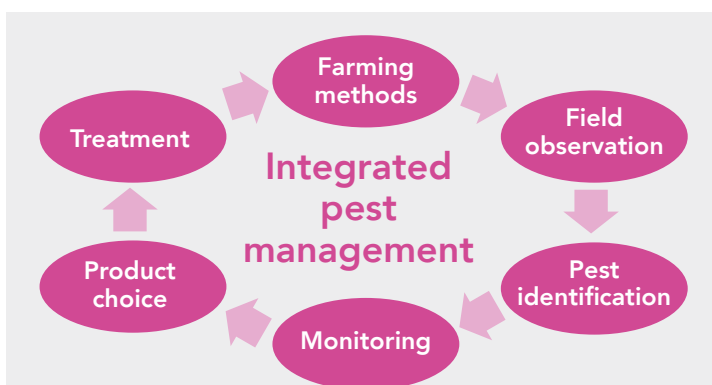
- Quick feeding cessation preventing foliar damage, fruit scarring and virus transmission.
- Unique cross-spectrum activity on a range of key chewing and sucking pests.
- Impact at multiple stages in life cycle.
- Offers translaminar activity (moves into and across the leaf surface), providing good residual activity and better control.
- Works through ingestion, contact, and ovi-larvicidal activity.
- The very low mammalian toxicity of the product allows quick re-entry after spray solution has dried and has minimal impact on field operations.
- While highly potent to target species, **Circaden® 200 SC** insecticide has minimal impact on beneficial insects and therefore is outstandingly suitable for Integrated Pest Management programmes, when used as directed.
- Excellent worker safety profile.
- Rainfast when spray is dry.

## RESISTANCE MANAGEMENT

According to the IRAC International mode of action classification scheme ([www.irac-online.org](http://www.irac-online.org)), **Circaden® 200 SC** insecticide component belongs to

GROUP	28	INSECTICIDE
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For sustainable use of **Circaden® 200 SC** insecticide, a good resistance management is essential. Guidelines to be considered:



### GOOD AGRICULTURAL PRACTICE

Follow the label instructions and carefully check the number of applications registered for a product in a crop per year. Don't reduce rates, follow the recommended application timing and spray volume.

### INTEGRATED PEST MANAGEMENT

1. Farming methods to limit weed, disease and pest damage
2. Tracking in the field or any other detection method
3. Pest identification
4. Population monitoring
5. Alternating insecticides with different modes of action

## SAFE USE

Safety is a priority at FMC, and we encourage farmers and other workers to use our products with care. We recommend that they:

- Reduce potential user exposure through improved application techniques;
- Reduce dermal and inhalation exposures by the proper use of appropriate Personal Protective Equipment (PPE);
- Reduce any environmental impact with effective container rinsing, correct disposal and avoidance of surpluses.

## FOR MORE INFORMATION

Put this powerful tool to work for you. Contact your local crop protection retailer, or FMC representative to learn how you can get more consistent control of key pests in several crops with **Circaden® 200 SC** insecticide.

### FMC Chemicals (Pty) Ltd

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1988/001451/07

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Always read and follow the label directions and precautions for use. Circaden® 200 SC contains cyantraniliprole (anthranilic diamide) (Cyazypyr®).

Circaden® 200 SC and Cyazypyr® are trademarks of FMC Corporation or an affiliate.

WARNING: Harmful if inhaled, Very toxic to aquatic life with long lasting effects.