FMC An Agricultural Sciences Company

Coragen®

Insect control

powered by
RYNAXYPYR®
active ingredient

GET MORE THAN JUST PROTECTION FOR YOUR CROP

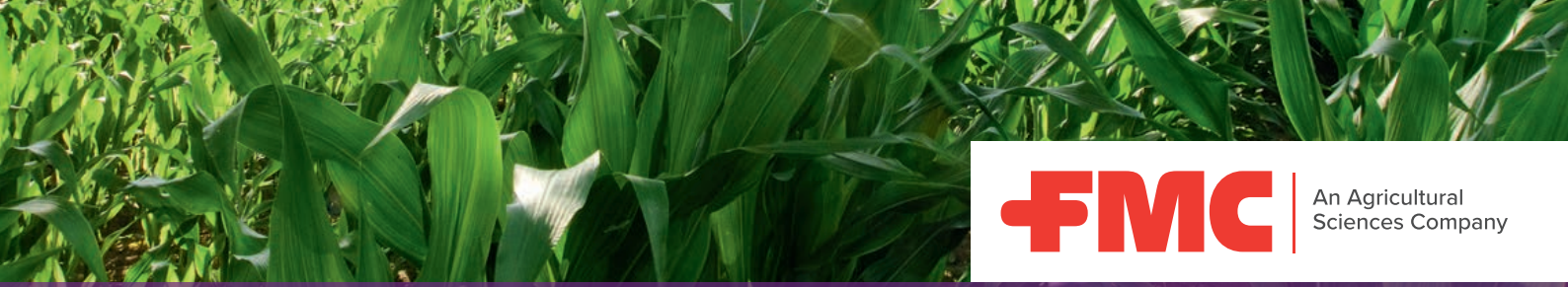
Coragen® helps to deliver superior fall armyworm control resulting in consistently high yields, improved grain and silage quality and excellent IPM compatibility.

CORAGEN® INSECT CONTROL AT A GLANCE

Registration No.	L8529 Act No. 36 of 1947
Active ingredients	Rynaxypyr® - chlorantraniliprole (anthranilic diamide) 200 g/ℓ
IRAC	28
Target crops	Maize and sweetcorn
Target pests	Fall Armyworm (*Spodoptera frugiperda*)
Application	150 mℓ/ha
Number of treatments	Maximum two applications per season
Number of applications	Maximum of two applications per year. If pest infestation requires additional applications, a product with a different Mode of Action (MoA) should be used
Timing of application	Apply at the beginning of infestation, at the first signs of damage, when no more than 5% of the plants have symptoms of scraped leaves.
Packaging	200 mℓ and 1 ℓ bottle

Application is not recommended for control of worms (larvae) larger than 1cm.
Please always read the country label as recommendations can vary from country to country.

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



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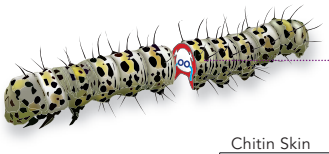
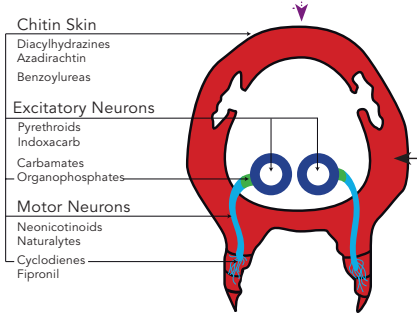
MODE OF ACTION (MOA)

Rynaxypyr® active ingredient, the active ingredient in **Coragen®** insect control, is the only member of the anthranilic diamides chemical class registered for pest control in corn.

Rynaxypyr® active ingredient targets the insect's ryanodine receptors and activates an uncontrolled release of calcium from internal stores into the cytoplasm of muscle fibres. This unique MoA differs from all other currently available corn insecticides and makes Coragen® insect control an excellent partner in Insect Resistance Management (IRM) programmes.



Target sites of currently available insecticidal classes



The unique MoA makes **Coragen®** insect control highly effective against the main Lepidoptera pests in corn.

Target site of Coragen®

Muscle Fibers

Rynaxypyr®

Insecticidal classes according to the Insecticide Resistance Action Commitee (IRAC), a specialist technical group of the industry association, CropLife. This association provides a coordinated industry response to prevent or delay the developement of resistance in insect and mite pests.

SUPERIOR EFFICACY IN THE FIELD

- High efficacy at low dose rate
- Long-lasting activity
- Rapidly stops feeding damage
- Positive effect on maize yield and quality
- Low impact on beneficial species
- Perfect fit into Integrated Pest Management (IPM) and Insecticide Resistance Management (IRM) programmes when used as recommended
- High performance and stability under high temperatures

RESISTANCE MANAGEMENT

According to the IRAC International mode of action classification scheme (www.irac-online.org), Coragen® insect control component belongs to

GROUP	28	INSECTICIDE

For sustainable use of Coragen® insect control, a good resistance management is essential. The following guidelines need to be considered:

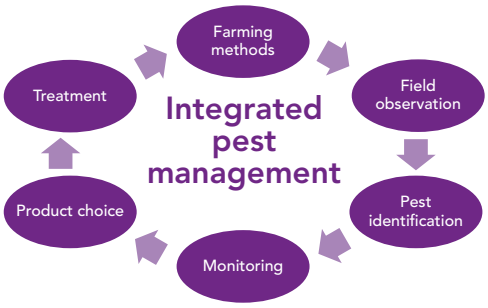
GOOD AGRICULTURAL PRACTICE

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 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



EXCELLENT IPM COMPATIBILITY

Thanks to the selective MoA of **Coragen®** on the insect's ryanodine receptor, it has minimal effect on non-target organisms such as mammals, fish, birds and beneficial arthropods. When applied according to label recommendations, **Coragen®** conserves pollinators, predators and parasitoids. In addition, the application of **Coragen®** doesn't usually lead to an outbreak of spider mites (*Tetranychus urticae*) as often happens when pyrethroids or other non-selective insecticides are applied. Hence, **Coragen®** contributes to maintaining the ecological balance between this secondary pest and its natural enemies.

For more information please contact:

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