



COSAYR®

A long lasting diamide insecticide, which quickly controls chewing insects in cereal crops.



GROUP 28

Active Ingredients:

Chlorantraniliprole 200 g/L = SC

Application Rates and Acres Treated:

Rate: 125 – 375 ml/ha
(51 – 152 ml/ac)

Acres Treated: 79 – 237 ac per case

Packaging:

12 x 1 L (79 – 237 ac) case
2 x 6 L jugs (also treats 79 – 237 acres)

Water Volume:

Ground: Minimum 100 L/ha
(40 L/ac)

Aerial: Minimum 50 L/ha (20 L/ac)

*higher water volumes do help improve coverage and overall control

Rainfastness:

Avoid application when heavy rain is forecast.

Adjuvant Rate:

NIS @ 0.25% v/v
MSO @ 0.5% v/v

Crop Rotations:

N/A

Grazing Restriction:

None

Storage:

Store this product away from food or feed. Store product in original container only, away from other pesticides and fertilizer. Not for use or storage in or around the home.

Re-entry Interval (REI):

12 hours

REGISTERED CROPS:

For a complete list of all crops and pests registered for COSAYR® please refer to the label.

- Barley
- Buckwheat
- Millet
- Pearl Millet
- Proso
- Oats
- Rye
- Sorghum
- Triticale
- Spring & Winter Wheat

INSECTS CONTROLLED & RATES:

- Grasshoppers - 51 – 101 ml/ac
- Cutworms - 101 ml/ac
- Armyworm, Fall Armyworm, Beet Armyworm, Corn Earworm, European Corn Borer - 101 – 152 ml/ac

Forage, Fodder and hay may be fed to livestock.

Do not make more than 3 applications per season.

Do not apply more than once every 7 days.

Observe a 1-day PHI.

Do not exceed a total of 1.125 litres COSAYR® per ha per season.

For pests with a range of application rates, use the high rate under heavy pest pressure.

Do not make a foliar application of COSAYR® for a minimum of 60 days following an in-furrow or soil application or planting of seed or seed pieces treated with any Group 28 insecticide.

CROP STAGING:

Begin applications when treatment thresholds have been reached.

Thorough coverage is important to obtain optimum control.

MIXING INSTRUCTIONS:

1. Fill spray tank ½ full of water.
2. Add COSAYR® directly to spray tank. Mix thoroughly to fully disperse the insecticide; once dispersed continued agitation is required.
3. Once the product has been well mixed, add an adjuvant, where applicable, while continuously mixing. Use mechanical or hydraulic means; do not use air agitation.
4. Complete filling tank with water with agitation on.

Spray mix should not be stored overnight in spray tank.

NOTE: If tank-mixing, please reference the label of the partner for specific mixing order or follow WAMLEGS or WALES for proper mixing protocol.



INSECTICIDE FOR CEREALS



CHLORANTRANILIPROLE

HOW IT WORKS:

Chlorantraniliprole binds to a specific receptor in the muscles called the ryanodine receptor. Once bound to this receptor the muscle cells begin to leak calcium, which prevents normal function. The insect is paralyzed and dies.

CHLORANTRANILIPROLE KEY BENEFITS:

- Relatively new mode of action, launched in 2006, with minimal resistance issues.
- Broad control of Lepidoptera species.
- Some suppression of certain sap feeding insects.
- Long lasting residual efficacy, up to 30 days in certain circumstance.
- Safe to beneficials and pollinators.
- Excellent rotation partner as part of an IPM program.
- Short re-entry and pre-harvest intervals for management flexibility.

RESISTANCE MANAGEMENT GUIDELINES FOR CHLORANTRANILIPROLE

- For multi-generation pests, use a **"Treatment window"** approach. Do not apply Diamides on successive generations of a pest.
- A "treatment window", including residual control, should not exceed **30 days** (the length of a typical pest generation). Within this window do not apply diamide products, such as COSAYR®, more than twice with Diamides.
- Following the Diamide "window", rotate to a "Treatment window" of an effective insecticides with **a product from a different insecticide action group**.
- The total exposure of all Diamides applied throughout the crop cycle should not exceed **50% of the crop cycle or 50% of the total number of insecticide applications** targeted at the same pest species.
- **Insect monitoring** for susceptibility evolution should be a continuous and ongoing process.



INSECTICIDE FOR CEREALS



Always read and follow label directions.
Toll-free: 1.855.264.6262 | Website: ADAMA.COM

COSAYR® is a registered trademark of an ADAMA Group Company.
All other products are trademarks of their respective companies.
© 2025 ADAMA Agricultural Solutions Canada Ltd.

2025-07