



lifescientific

Field Corn
Sweet Corn
Popcorn
Wheat
Barley
Oats
Rye

HighGroundTM

Corn & Cereals Insecticide

HighGroundTM provides powerful chlorantraniliprole protection against **European corn borer, corn earworm, armyworms, cutworms**, and grasshoppers across corn and cereal grain crops. With extended residual activity and flexible ground or aerial application, HighGround delivers an equivalent formulation to Coragen®.

MODE OF ACTION

Chlorantraniliprole (Group 28 – diamide) activates ryanodine receptors in insect muscles, causing uncontrolled calcium release leading to muscle contraction, paralysis, and death Effective on Lepidopteran larvae by both ingestion and contact. Provides extended residual activity.

KEY BENEFITS

- Proven **European corn borer** and corn earworm control in all corn types
- Broad **armyworm** complex control: true armyworm, fall armyworm, beet armyworm
- **Grasshopper** control in cereals at economical 51mL/ac rate
- Flexible ground and aerial application in both corn and cereals
- Extended residual activity reduces need for repeat applications
- Equivalent product profile to industry standard benchmark – confirmed by independent LCMS* spectral analysis (see comparison plot overleaf)

APPLICATION GUIDANCE

Application Methods: Ground sprayer; aerial (fixed/rotary wing)

Water Volume: Min 40 L/ac ground; min 20 L/ac aerial

Mixing Notes: Standard water dilution. Maintain agitation.

Rainfastness: Consult label

Pre-Harvest Interval:

1 day (sweet/seed corn, cereals);

14 days (field/popcorn)

Max Applications: 4 (corn); 3 (cereals)

Min Re-application: 3-7 days

depending on crop type

Max Seasonal Rate: 455 mL/ac

INSECTICIDE | GROUP 28

ACTIVE INGREDIENTS

Chlorantraniliprole
200 g/L

RESTRICTED-ENTRY INTERVAL

12 hours

PACKAGE SIZE

2 × 6L Jugs



SCOPE OF USE

Crop	Pest	Rate (mL/A)	Timing Guidelines
Corn (field, pop, sweet, seed)	Black cutworm	101 mL/ac	At treatment threshold
Corn	Armyworm, Fall armyworm, Beet armyworm, Cutworm	101-152 mL/ac	At threshold; high rate for heavy pressure
Corn	Corn earworm, ECB, Western bean cutworm	101-152 mL/ac	At treatment threshold
Cereal Grains (wheat, barley, oats, rye, etc.)	Grasshoppers	51-101 mL/ac	At treatment threshold
Cereal Grains	Cutworms	101 mL/ac	At treatment threshold
Cereal Grains	Armyworms, ECB, Corn earworm	101-152 mL/ac	At treatment threshold

Corn: max 4 apps/season. Sweet/seed corn: min 3-day interval. Field/popcorn: min 7-day interval. Cereals: max 3 apps/season, min 7-day interval. PHI: 1 day (cereals); 1-14 days (corn by type). Max seasonal rate: 455mL/ac. Forage, fodder, and hay may be fed to livestock. **DO NOT** apply foliar HighGround within 60 days of soil/in-furrow Group 28 application.

RESTRICTIONS & STEWARDSHIP

Resistance Management: Group 28. Rotate with different insecticide groups. Use IPM and economic thresholds.

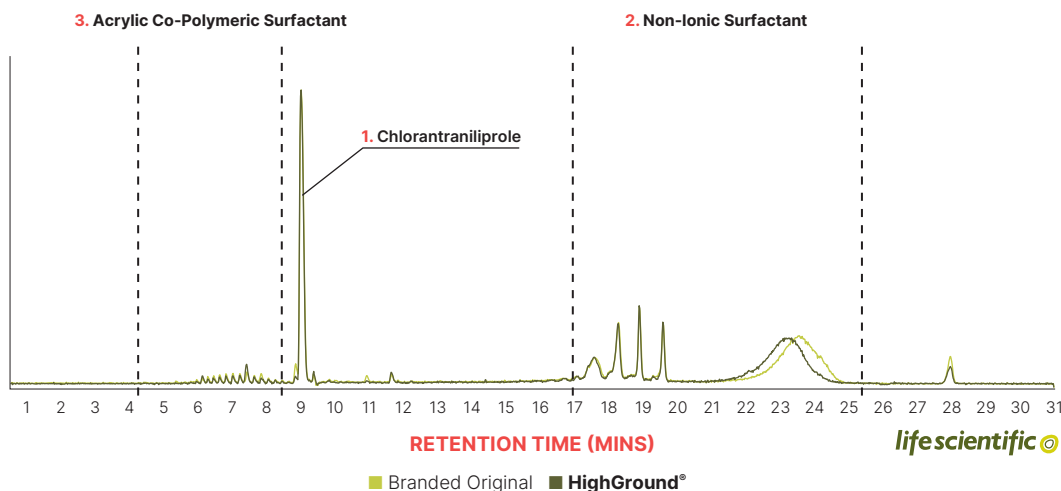
Residue Persistence: Do not use in areas treated with Group 28 products in the previous year.

Beneficial Arthropods: Toxic to certain beneficial arthropods. Minimize drift to natural habitats.

Spray Buffer Zones (field sprayer): 1 m freshwater, 1 m estuarine, 0 m terrestrial.

Spray Buffer Zones (aerial): Fixed wing: 15 m FW, 1 m estuarine. Rotary: 10 m FW, 1 m estuarine.

LIQUID CHROMATOGRAPHY-MASS SPECTROMETRY ANALYSIS



- Active ingredients –**
Chlorantraniliprole
- Non-Ionic Surfactant-**
This surfactant is used in combination to help as a dispersant as well as a wetting agent. Slight variation is seen due to different manufacturing sites. This ensures our spray covers more leaf area, while sticking to the surface.
- Acrylic Co-Polymeric Surfactant-**
These surfactants are used as a powerful dispersing agent and provides consistent stability in suspension concentrate

*Liquid Chromatography - Mass Spectrometer (LCMS), scan our QR code for more information.

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PCPA REGISTRATION NO. 35705

APPROVAL HOLDER AND MARKETING COMPANY:

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