



lifescientific

Potatoes
Garden Beets
Sugar Beets
Carrots
Turnips

HighGroundTM

Potatoes & Root Vegetables

HighGroundTM delivers proven chlorantraniliprole insect control for Colorado potato beetle, European corn borer, armyworms, and other key Lepidopteran pests in potatoes and root vegetables. With extended residual activity and both ingestion and contact efficacy, HighGround provides 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 **Colorado potato beetle** control at 101 mL/ac with extended residual activity
- Broad Lepidopteran spectrum: **ECB, armyworms, cutworms, loopers, and hornworms**
- **Beet webworm** control in sugar beets and garden beets
- Both ingestion and contact activity provides rapid knockdown of feeding larvae
- Flexible ground and aerial application options (potatoes and sugar beets)
- Equivalent product profile to industry standard benchmark – confirmed by independent LCMS* spectral analysis (see comparison plot overleaf)

APPLICATION GUIDANCE

Application Methods: Ground sprayer; aerial (potatoes and sugar beets only)

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 (root/tuber veg, sugar beets)

Max Applications: 4 per season

Min Re-application: 3 days

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
Potatoes	Colorado potato beetle	101-202 mL/ac	At treatment threshold
Potatoes	European corn borer	101-152 mL/ac	At treatment threshold
Root & Tuber Vegetables	Diamondback moth, Cabbage looper, Cutworms, Swede midge	101 mL/ac	At treatment threshold
Root & Tuber Vegetables	ECB, Armyworms, Hornworms, Corn earworm	101-152 mL/ac	At threshold; high rate for heavy pressure
Sugar Beets, Garden Beets	Beet webworm	101-152 mL/ac	At treatment threshold

Max 4 applications per season. Max seasonal rate: 455 mL/ac. Min re-application interval: 3 days. **PHI:** 1 day (root & tuber veg); 14 days (field corn/popcorn). **DO NOT** apply foliar HighGround within 60 days of in-furrow or soil application of any Group 28 insecticide. CPB Resistance: **DO NOT** apply HighGround for CPB control in fields where Group 28 resistance has been identified.

RESTRICTIONS & STEWARDSHIP

Resistance Management: Group 28 insecticide. Rotate with different mode of action groups.

Do not apply consecutive

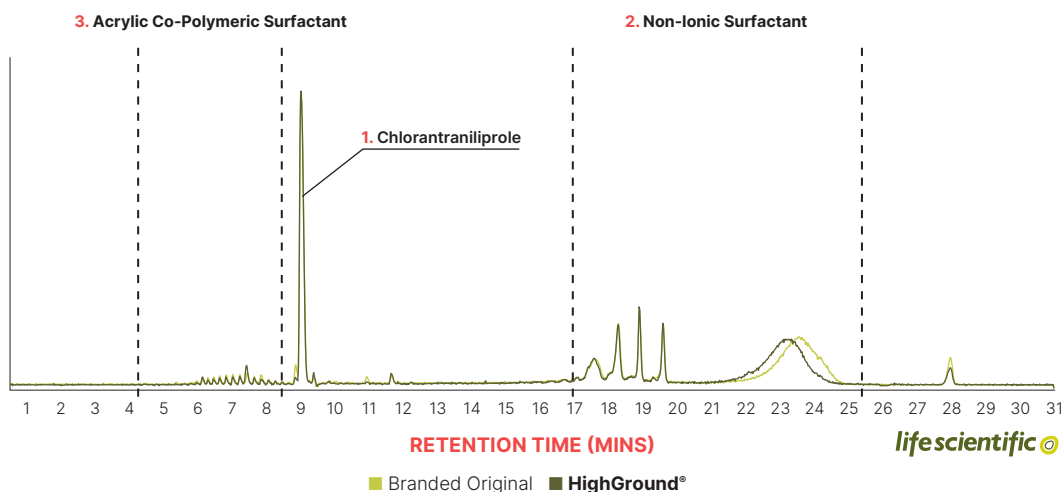
Residue Persistence: Chlorantraniliprole residues are persistent. Do not use in areas treated with Group 28 products in the previous year.

Beneficial Arthropods: Toxic to certain beneficial arthropods. Minimize drift to hedgerows and woodland 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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LSID:CA.078-01C.1