



Payload™

HERBICIDE

Take Control. Keep Control.

Benefit from Payload™ Herbicide

When it comes to keeping railways and utility grounds manageable and weed free, nothing is better than *Payload* Herbicide containing the active ingredient flumioxazin. Made from a unique chemistry, this water dispersible granule provides broad spectrum control – even targeting herbicide-resistant weeds. Plus, you can trust *Payload* Herbicide to last all season long.

Payload Herbicide is a low use rate pre-emergent herbicide that provides residual control of susceptible weeds including:

- * Red Root Pigweed * Green Pigweed * Common Ragweed * Dandelion *
- * Green Foxtail * Eastern Black Nightshade * Hairy Nightshade *

For burndown control of emerged weeds, *Payload* Herbicide can be tank mixed with *VisionMAX*® (glyphosate).

Use Pattern

Payload Herbicide, when used as directed, can be used for non-selective vegetation control to maintain bare ground non-crop areas that must be kept weed-free.

Apply *Payload* Herbicide to:

- Bare ground to railroad beds, under guard rails, and above-ground pipelines.
- Bare ground in parking and storage areas, plant sites, substations, pumping stations, oil yards/substations and tank farms.
- Bare ground areas of airports, brick yards, industrial plant sites, lumber yards, and storage areas.
- Bare ground around farm buildings and along fence rows.
- Road surfaces and gravel shoulders.



Flumioxazin Half-lives

Soil Photolysis: 3.2 days

Aerobic Soil Metabolism: 11.9 - 17.5 days

Hydrolysis: pH 5: 3.4 - 5.1 days;
pH 7: 21.4 - 24.6 hours;
pH 9: 14.6 - 22.0 minutes



Round-Up

Payload

Environmental Fate

Flumioxazin degrades rapidly in water and soil. Dissipation occurs by a combination of hydrolysis and microbial oxidation. Although flumioxazin dissipates rapidly, discrete intermediates do not accumulate and the ultimate environmental products are incorporated into soil organic matter and carbon dioxide. Based on column leaching studies and the short aerobic soil half-life, the potential for flumioxazin or its degradation products to leach is low. The low use rate and rapid soil dissipation results in low carryover potential.

Application Information

Pre-emergence Activity:

- Apply *Payload* Herbicide pre-emergence to the weeds
- *Payload* Herbicide forms a thin herbicidal barrier at the soil surface – which should not be disturbed
- Weed seedling shoots absorb *Payload* Herbicide as they emerge through this barrier
- When weeds are exposed to sunlight, necrosis occurs

Pre-emergence Applications:

- Apply 280-420 g of *Payload* Herbicide per broadcast hectare
- Applications should be made to weed-free soil surface
- Approximately half an inch of rainfall or irrigation is needed to activate *Payload* Herbicide
- Dry weather following applications may reduce effectiveness
- Apply a maximum of 2 applications per year



| www.valent.ca | 519-822-7043

Read and follow the label instructions before using.

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1-866-613-3336