

# Overdrive herbicide

## technology sheet

Fast-acting, broadleaf weed control without the strong odour.

- Post-emergent control of annual, perennial and biennial broadleaf weeds
- Two modes of action to manage biotypes resistant to glyphosate and Group 2 chemistries
- Low rate, low odour formulation
- For use on bareground, pasture, rangeland and non-crop areas

### Active ingredients

Diflufenzopyr – Group 19  
Dicamba – Group 4

### Formulation

Wettable granules

### One case contains

4 x 3.4 kg jugs

### Storage

Store in cool, dry place away from food or feed.

### How it works

Overdrive® works through two distinct modes of action:

- It mimics the plant's own auxins, a group of naturally occurring hormones crucial to plant development and growth that result in uncontrolled cell division and growth
- It inhibits the distribution of natural and synthetic auxins, causing them to accumulate in the weeds' key growing points (e.g. roots and shoot growth areas) and leading to abnormal, uncontrolled growth and effective weed control

### Weeds controlled

Apply to actively growing weeds.

#### Annual broadleaves

Common ragweed, kochia<sup>1</sup>, lady's thumb, lamb's quarters, redroot pigweed, tall waterhemp, velvetleaf, volunteer canola<sup>2</sup>, wild buckwheat

#### Perennial/biennial broadleaves

Biennial wormwood, Canada thistle<sup>3</sup>, dandelion<sup>4</sup>, leafy spurge<sup>4</sup>, perennial sow thistle<sup>5</sup>, sweet clover<sup>3</sup>, vetch<sup>3</sup>

<sup>1</sup> Including Group 2- and Group 9-resistant biotypes.

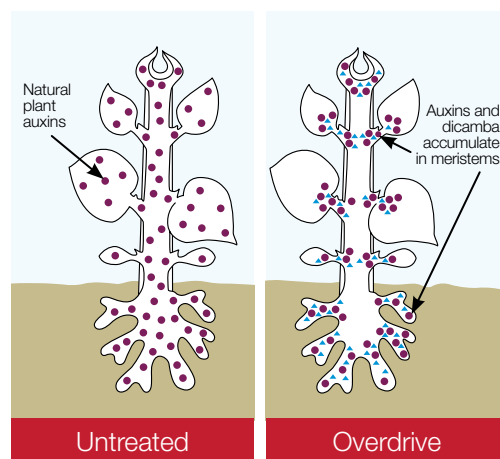
<sup>2</sup> Apply at the cotyledon to 4-leaf stage.

<sup>3</sup> Top growth only.

<sup>4</sup> Top growth suppression only.

<sup>5</sup> Suppression only. Apply at the 2 to 10 leaf stage.

### Modes of action.



Source: BASF Canada



## Environment, health and safety

### General information

Combustibility:	Non-combustible
Regulation:	Not regulated by TDG or WHMIS
Toxicity:	Low (Signal Word: Caution)

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### Re-entry intervals

Non-agricultural:	Once the spray residue has dried
Pasture and rangeland:	12 hours after application
Agricultural:	12 hours after application

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### User toxicology

Oral LD <sub>50</sub> :	1,600 mg/kg
Dermal LC <sub>50</sub> :	>5,000 mg/kg
Skin irritant:	Mildly irritating
Eye irritant:	Moderately irritating
Bioaccumulation:	No
Carcinogenic:	Non-carcinogenic
Mutagenic:	Non-mutagenic

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### Ecotoxicity

Birds:	Practically non-toxic (LD <sub>50</sub> > 2,000 mg/kg)
Fish:	Practically non-toxic to slightly toxic (LC <sub>50</sub> > 200 mg/L)
Aquatic insects:	Practically non-toxic to slightly toxic (LC <sub>50</sub> > 1,000 mg/L)

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### Environmental fate

Volatility:	Moderate
Persistence:	Half-life in soil is 4 to 13 days
Erosion:	The potential for movement of dicamba on eroded soil is low.
Leaching:	Although risk is low because of its low active ingredient rate, Overdrive can leach in sandy soils or where the water table is shallow.
Buffer zones:	Leave an adequate buffer zone between spraying area and sensitive vegetation. Refer to label for information.
Grazing restrictions:	<b>Do not</b> permit lactating dairy animals to graze fields within 7 days after application. <b>Do not</b> harvest forage or cut hay within 30 days after application. Withdraw meat animals from treated fields at least 3 days before slaughter.

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### Handling precautions

Read Overdrive label before using.  
Use goggles, gloves and coveralls when mixing.  
Wash thoroughly after using. Launder clothes separately.

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### First aid

Eye contact:	Flush with water for 15 to 20 minutes
Skin contact:	Wash with soap and water
Inhalation:	Remove to fresh air
Ingestion:	Drink water, induce vomiting and seek immediate medical attention

**Call 1-800-454-2673 for 24-hour assistance.**

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### For more information

Visit [www.BetterVM.ca](http://www.BetterVM.ca).

**Always read and follow label directions.**