

Overdrive® Herbicide

Answers to some common questions



Q: How many weeds does Overdrive control?

A: Overdrive contains two active ingredients, **diflufenzopyr** and a very low rate of **dicamba**. The diflufenzopyr represents a new active ingredient for the Canadian vegetation management market and acts as an 'auxin transport inhibitor'. Auxin are natural hormones the plant produces that affect growth when they are present in the new meristems. Diflufenzopyr traps auxins in these meristems and concentrates their effects. Dicamba is a synthetic auxin that mimics natural plant hormones and when it is concentrated at the growing points, along with the natural auxins, the plant dies. By combining diflufenzopyr and dicamba, control of sensitive weeds is achieved faster and at lower rates compared to dicamba alone.

Q: How many weeds does Overdrive herbicide control?

A: The current Canadian label has 13 weeds. However, when used in a tank-mix, Overdrive combinations will offer a broad range of control. Contact your Engage Agro VM Specialist to determine which tankmix offers you the best and broadest solution for your situation. Examples of Overdrive combinations include:

- Arsenal®+Overdrive (non-selective control of over 50 weeds. Rapid knockdown and season-long residual)
- Escort®+Overdrive (selective control of over 25 weeds, low use rates)
- VisionMAX® (glyphosate 540g/L)+Overdrive (non-selective control of most weeds. Rapid knockdown with no residual)

Q: Is Overdrive herbicide hard to work with?

A: No. Overdrive's dispersible granule formulation and low use rate makes it easy to work with and an excellent alternative to higher rate products like 2,4-D. Furthermore, the non-ionic surfactant and nitrogen fertilizer recommended to optimize performance have been specially packaged to be shipped with your Overdrive order to make using Overdrive simple. Everything you need in one order at a great price. Overdrive mixes easily, stays in suspension, and requires only 285 grams of herbicide to treat a hectare.

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Q: Does OVERDRIVE herbicide have a strong odour?

A: Overdrive is used at a low rate (285 g/ha) and reduces the rate of dicamba, the herbicide ingredient, by as much as 85% vs a conventional dicamba application. Less product, low rates, dry formulation all contribute to a low odour compared to full-rate herbicides like dicamba. Using less, means less of what you don't like about handling chemistry – any chemistry.

Q: Is OVERDRIVE herbicide safe for applicators to use?

A: Health Canada has classified Overdrive as having “low toxicity” with the signal word “Caution”.

Q: Does OVERDRIVE herbicide pose a risk to bees?

A: In the recently published Proposed Registration Decision, the Pest Management Regulatory Agency (PMRA) states that diflufenzopyr, the active ingredient in Overdrive “presents negligible risk to wild birds and mammals, bees and other arthropods.” The PMRA also states, “Dicamba is classified as practically non-toxic to honey bees ($LD_{50} = 90.65 \mu\text{g a.e./bee}$) and mammals ($LD_{50} = 1028 \text{ mg a.e./kg bw}$) on an acute basis,” and “No potential risk to honey bees and other pollinating insects was identified in the risk assessment.”

Always read and follow label directions.

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