



COST-EFFECTIVE NUISANCE WEED CONTROL FOR **KEY BAREGROUND AREAS**

overdrive[®]
herbicide

Professional
Vegetation
Management

 **BASF**

The Chemical Company

Overdrive® Herbicide

Cost-Effective Nuisance Weed Control for Key Bareground Areas

Overdrive® herbicide is a postemergent herbicide for the control of annual, perennial and biennial broadleaf weeds in key noncrop areas, including industrial facilities and utility substations.

Overdrive is an excellent vegetation management tool for use in touch-up or burndown treatments in key bareground markets/areas that must remain free of tough nuisance weeds.

Overdrive provides long-term, broad-spectrum control of nuisance vegetation often found in bareground areas (when applied postemergence to weeds), including difficult species such as kochia, Russian thistle, marestail, pigweed and waterhemp. Plot studies have also shown that applications of **Overdrive** can result in excellent weed control when used alone or in combination with other herbicides.

A Better Solution

A fast-acting product that provides broad-spectrum control, **Overdrive** is highly effective against tough perennial broadleaf weeds, including Canada thistle, perennial sow thistle and western ragweed.

Because it can be applied in low use rates, **Overdrive** helps reduce application costs and increase weed control effectiveness, while still providing long-term control of broadleaf weeds.

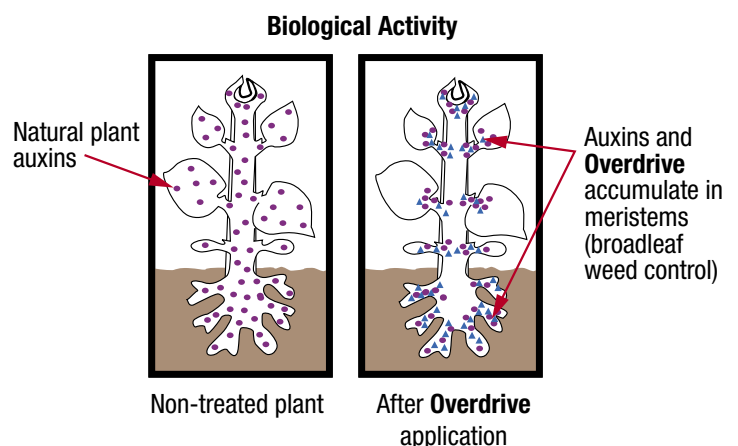
How Does Overdrive Work?

When applied to an undesirable annual or perennial broadleaf weed, **Overdrive** inhibits the plant's ability to spread auxins — naturally occurring hormones crucial to plant development and cell growth. The active ingredient in **Overdrive** collects in the plant's key growing points — such as the roots and areas where new shoots and stem growth initiate. This concentration at key growing points results in the plant's speedy decline. By mimicking auxins in the plant, **Overdrive** causes uncontrolled cell division and growth, which eventually destroys the plant.

How Effective is Overdrive in Controlling Nuisance Weeds?

Research shows that **Overdrive** provides effective, long-term control of broadleaf nuisance weeds. Test studies conducted by BASF found that an application of 6 ounces per acre of **Overdrive** controlled 100 percent of tough annual broadleaf weeds prickly lettuce and kochia, eight weeks after application. A separate study by researchers from Virginia Tech University found that a similar application controlled 93 percent of marestail (horseweed), when applied postemergence.

Overdrive provides broad-spectrum control and can help reduce application costs, while still providing long-term control for broadleaf weeds.



What Types of Broadleaf Weeds Can **Overdrive** Control?

Overdrive controls over 90 annuals and 50 biennial and perennial broadleaf weeds. Following is a sampling of some of the key weeds that can be controlled using **Overdrive**:

Annual Broadleaf Weeds

Bitter sneezeweed
Kochia
Marestail (horseweed)
Nightshade
Prostrate spurge
Prickly lettuce
Russian thistle (tumbleweed)
Sowthistle
Tropic croton
Velvetleaf
Waterhemp/pigweed
Wooly croton

Biennial and Perennial Weeds

Buttercup
Canada thistle
Curly dock
Bullnettle
Musk thistle
Plantain
Teasel
Yellow starthistle
Western ragweed

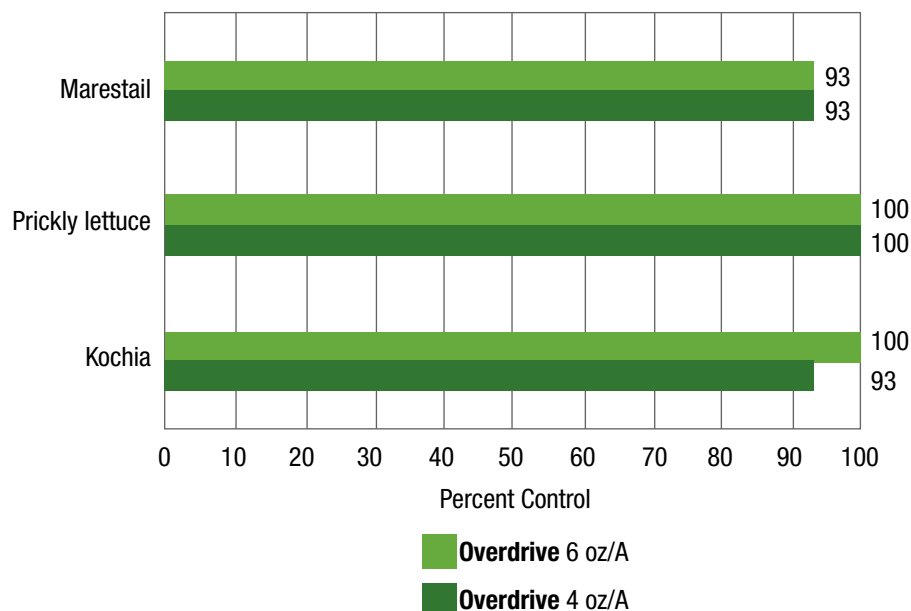
How Is **Overdrive** Used in Bareground Applications?

Because it provides excellent general broadleaf weed control, **Overdrive** is well suited for bareground applications. In general, a rate of 6 to 8 ounces per acre is recommended for bareground applications of **Overdrive**. This rate provides excellent control across a broad spectrum of undesirable plant species, affecting weeds in various stages and sizes.

General Application Guidelines

Intended for use as a postemergence herbicide, **Overdrive** is usually applied in rates varying between 6 to 8 ounces per acre in bareground applications. In general, users may want to consider using the higher rate to control larger annual weeds or biennial and perennial weeds. No more than 10 ounces per acre should be applied per season.

Overdrive Control for Common Bareground Weeds
(8 weeks after treatment)



Sources:
Marestartail – Hipkins, L., Virginia Tech University.
Prickly lettuce, Kochia – BASF Research Trials at Colorado sites.



Kochia



Prickly Lettuce

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Surfactant Recommendation

The use of a surfactant is recommended for use with **Overdrive® herbicide** to improve the dispersing, spreading, sticking or wetting properties of the spray mixture. For bareground applications, a standard application of non-ionic surfactant (NIS) in .25 percent v/v is recommended for use in most bareground applications.

Mixing Order

For best results, the following mixing order should be used:

- 1 | Add **Overdrive** to a clean, half-full tank with water.
- 2 | Allow sufficient time for **Overdrive** granules to saturate.
- 3 | Add surfactant, then add remaining water.
- 4 | Agitate once granules have saturated to complete the dissolving and mixing process.
- 5 | See label instructions for other tank-mix options.

For more information about **Overdrive** or any of our vegetation management products, call your nearest BASF ProVM sales specialist at **1-800-545-9545**, or visit **www.vmanswers.com**.

Always read and follow label directions.

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