

PRODOXABEN HERBICIDE

DUAL-ACTIVE DEFENSE FROM GRASSY AND BROADLEAF WEEDS

Prodoxaben herbicide offers long-lasting preemergent control of over 150 grassy and broadleaf weeds with the convenience of two powerful formulations: a granular product for easy broadcast application and a suspension concentrate (SC) for precision spraying. Featuring the active ingredients Proflam and Isoxaben, Prodoxaben provides extended residual weed control in container and field grown nursery ornamentals. This dual mode of action provides two independent pathways for weed suppression, making Prodoxaben a smart choice for resistance management. Prodoxaben delivers effective, season-long weed prevention and flexible application options.

TECHNICAL DETAILS

Active Ingredients: Proflam and Isoxaben

Formulations: Granular and Suspension Concentrate

HRAC Groups: 3 and 21

REI (Reentry Interval): 12 hours

Packaging: Available in 1-gallon (SC) and 50lb (G)

WEEDS CONTROLLED

Partial list of weeds controlled

Annual grasses: annual bluegrass (*Poa Annua*), annual foxtail, barnyardgrass, crabgrass, goosegrass, itchgrass, johnsongrass (from seed), lovegrass, rescuegrass, witchgrass, wooly cupgrass

Broadleaf weeds: bittercress, chickweed, common purslane, dandelion, groundsel, henbit, knotweed, pigweed, sparges, yellow woodsorrel (from seed)

KEY FEATURES AND BENEFITS

Broad-Spectrum Preemergent Weed Control

Controls both annual grasses and broadleaf weeds, including crabgrass, spurge, oxalis, bittercress, chickweed, and groundsel.

Season-Long Preemergent Control

One application provides residual control for 3-8 months, depending on application rate and region, reducing labor and follow-up sprays.

Dual Formulation Flexibility

Choose granular for convenient broadcast applications, or SC for targeted sprays and incorporation into tank mixes.

Excellent Crop Safety

Safe on a wide range of container, field-grown, and landscape ornamentals when used as directed.

Dual Modes of Action for Resistance Management

Combines proflam (Group 3) and isoxaben (Group 21) to target weeds through two distinct biochemical pathways, reducing the risk of resistance development.

APPLICATION RATES

Formulation	Application Rate	Application Instructions
Suspension Concentrate	38 – 87 fl oz/A 0.9 – 2.0 fl oz/1000 ft ²	Use the higher rate for longer residual control.
Granular	100 – 200 lbs/A 37 – 74 oz/1000 ft ²	
Multiple applications per year of either formulation can be made as long as the annual limit is not exceeded.		
Suspension concentrate annual limit: 87 fl oz/A (2.0 fl oz/1000 ft ²)		
Granular annual limit: 375 lbs/A (138 oz/1000 ft ²)		

BEST USE PRACTICES

- Apply to clean, weed-free soil that is free of clods, weeds, and debris before germination of target weeds.
- Optimal herbicide activation is achieved by at least 0.5" of irrigation or rainfall within 14 days.
- Avoid disturbing treated surfaces after activation to maintain efficacy.
- Rotate with preemergent herbicides from different HRAC groups to delay resistance.

USE CONSIDERATIONS

- Do not apply to newly transplanted ornamentals, nursery stock, or ornamental bulbs. Delay application until soil has settled and roots have formed.
- Do not apply to bedding plants or areas where bedding plants will be planted or transplanted within one year after application.
- Applications over the top of plants with newly forming buds may cause injury, however these effects are temporary. Possible plant injury may be avoided by application as a directed spray to the soil surface beneath ornamental plants.
- If over-the-top applications are made, immediately apply overhead irrigation to the foliage to rinse Prodoxaben from plant surfaces onto the soil and prevent plant injury.