

Fall Applications

When applied pre-emergence (prior to germination) in late summer through early fall (late August through November), this product will control or suppress the following weeds in addition to providing pre-emergence control of crabgrass in the following spring.

bulldozergrass	<i>Poa annua</i>
billberggrass	<i>Cynodon dactylon</i> spp.
chickweed	<i>Stellaria</i> spp.
henbit	<i>Lamium</i> spp.
geranium, Carolina	<i>Geranium carolinianum</i>
parisley-piert	<i>Achillea arvensis</i>
preaigleweed	<i>Marticaea matricaroides</i>
shepherdspurse	<i>Capsella bursa-pastoris</i>

WEED RESISTANCE MANAGEMENT

This product, which contains the active ingredient dithiopyr, is a Group 3 herbicide based on the mode of action classification system of the Weed Science Society of America.

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is a best practice. A diversified weed management program may include the use of multiple herbicides with different modes of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistance.

The continued effectiveness of this product depends on the successful implementation of a weed resistance management program.

To aid in the prevention of developing weeds resistant to this product, users should:

- Scout fields before application to ensure herbicides and rates will be appropriate for the weed species and weed sizes present.
 - Start with a clean field, using either a burndown herbicide application or tillage.
 - If using post-emergence herbicides or tank mixes, control weeds early when they are relatively small.
 - Apply full rates of this product for the most difficult to control weed in the field at the specified time to minimize weed escapes.
 - Scout fields after application to detect weed escapes or shifts in control of weed species.
 - Control weed escapes before they reproduce by seed or proliferate vegetatively.
 - Report any incidence of non-performance of the product against a particular weed to your local company representative, local retailer, or county extension agent.
 - Contact your local company representative, crop advisor, or extension agent to find out if suspected resistant weeds to this MOA have been found in your region. If resistant biotypes of target weeds have been reported, use the application rates of this product specified for your local conditions. Tank mix products so that there are multiple effective modes of action for each target weed.
 - If resistance is suspected, treat weed escapes with an herbicide having a mode of action other than Group 3 and/or use nonchemical methods to remove escapes, as practical, with the goal of preventing further seed production.
 - Suspected herbicide-resistant weeds may be identified by these indicators:
 - Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
 - A spreading patch of non-controlled plants of a particular weed species; and
 - Surviving plants mixed with controlled individuals of the same species.
- Additionally, users should follow as many of the following herbicide resistance management practices as is practical:
- Use a broad spectrum herbicide with other mode of action as a foundation in a weed control program, if appropriate.
 - Utilize sequential applications of herbicides with alternative modes of action.
 - Rotate the use of this product with non-Group 3 herbicides.
 - Avoid making more than two sequential applications of this product and any other Group 3 herbicides within a single growing season unless mixed with an herbicide with a different mode of action with an overlapping spectrum for the difficult-to-control weeds.
 - Incorporate non-chemical weed control practices, such as mechanical cultivation, crop rotation, cover crops and weed-free crop seeds, as part of an integrated weed control program.
 - Use good agronomic principles that enhance crop development and crop competitiveness.
 - Thoroughly clean plant residues from equipment before leaving fields suspected to contain resistant weeds.
 - Manage weeds in and around fields to reduce weed seed production.

Application Instructions and Equipment

The product may be applied with drop or rotary-type spreaders designed to apply granular herbicides. For best results, apply this product evenly and uniformly avoiding streaking, skips or overlaps. Avoid the use of spreaders that tend to apply granules in narrow rows or concentrated bands. Calibrate the spreader according to the manufacturer's directions. Initial spreader settings may require adjustment to deliver the specified application rate under actual application conditions. The desired calibration setting may be marked or recorded for future reference. Apply this product uniformly over the treatment area. Make uniformity of application can usually be achieved by applying one-half of the required amount of product over the treatment area and then applying the remaining one-half in a different direction (e.g., at a right angle to the previous direction). Avoid streaking, skips, or overlaps during application.

Check equipment frequently to verify calibration and proper functioning.

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