



EPA Reg. No. 524-534

## Removal of Perennial Ryegrass from Overseeded Bermudagrass



Certainty perennial ryegrass removal study - Auburn University 2004

### Background

Bermudagrass in the southern United States is often overseeded with perennial ryegrass to provide a high quality turf during the winter months. However, spring transition from perennial ryegrass to bermudagrass can be inconsistent depending on cultural practices and environmental conditions. Recently, herbicides have been used to speed the removal of perennial ryegrass and improve the quality of the transition.

This guide is intended to offer background information and useful guidelines to consider when using **Certainty® Turf Herbicide** as an aid to selectively remove perennial ryegrass from overseeded bermudagrass while maintaining high quality turf.

# Considerations for Using Certainty for Transition

## Sites of Application

- Certainty may be applied to remove perennial ryegrass from overseeded common and brand bermudagrass in residential and commercial turf, including athletic fields, golf course fairways, golf course roughs, golf course tees, and other golf course areas, parks, public turf areas, school grounds, and other highly managed turfgrass sites. **DO NOT apply directly to or within 4 feet of golf course putting greens.**
- Avoid application of Certainty when bermudagrass or perennial ryegrass is under stress as turf injury and poor perennial ryegrass transition may result.

## Timing of Application

- Certainty is most effective for transition if applied when daily maximum temperatures are expected to be 80° F or higher. If cool, wet weather occurs during the first 7 to 10 days after application, perennial ryegrass control will be reduced.
- Spring applications for perennial ryegrass control should begin up to 4 weeks before perennial ryegrass removal is desired.
- Best results are obtained when perennial ryegrass is actively growing and not mowed at least 2 days before and 2 days after application.

## Product Use Information\*

- For transition of perennial ryegrass in bermudagrass, apply Certainty at 1.25 ounces per acre followed by 1.25 ounces per acre at 14 to 21 days after the initial treatment. Always add nonionic surfactant at 0.25 percent by volume or 1 quart per 100 gallons of spray solution. When a single application is desired, apply 2 ounces of Certainty per acre as a single treatment. Sequential applications are usually more effective.
- This product is absorbed by both the roots and the foliage of perennial ryegrass and rapidly inhibits its growth. Perennial ryegrass usually shows yellowing or browning within 7 to 10 days. Complete transition is achieved in 4 to 6 weeks after the initial application.
- Heavy rainfall or irrigation within 2 hours after application may wash this product off of the foliage resulting in reduced product performance.

\* Refer to product label for Complete Directions for Use. Always read and follow pesticide label directions.

Check the latest registration status with your Monsanto representative.

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