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Abstract

The objectives of this preemergence study were to evaluate single and split applications of Barricade (prodiamine) on fertilizer and Barricade in a 4L formulation for crabgrass control in a “Nassau” Kentucky bluegrass turf.

Keywords

Horticulture

Disciplines

Agricultural Science | Agriculture | Horticulture

Barricade (Prodiamine) Impregnated on Fertilizer for Crabgrass Control—2006

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Nicollet clay loam with a pH of 6.2, 30 ppm P,
and 174 ppm K.

Introduction

The objectives of this preemergence study were to evaluate single and split applications of Barricade (prodiamine) on fertilizer and Barricade in a 4L formulation for crabgrass control in a “Nassau” Kentucky bluegrass turf.

Materials and Methods

This study was conducted at the Iowa State University Turfgrass Research Facility. The plot area was seeded with crabgrass April 18, 2006. Initial product applications were made April 21 (Table 1). The study consisted of both granular and liquid treatments, with the fertilizer being in granular form. The soil on the site is a disturbed

Results and Discussion

There was sufficient granular product in each of the dry treatments to provide uniform coverage of plots. There was no phytotoxicity seen on any of the treated plots. All treatments provided excellent crabgrass control throughout the study period with the exception of treatments 9 and 10 that included Barricade in the 4 FL formulation only (Table 1). Dimension as a granular preemergence material, followed by Dimension 40WP six weeks after treatment (WAT) provided the best crabgrass control. Data were not taken until June 3 because crabgrass had not yet emerged to the point where data could be collected.