

# Comparison of Dimension Herbicide Formulations for Digitaria Control in Turf. (C05-loughner092349-Oral)

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## Abstract:

Dithiopyr (3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester) formulations were evaluated against *Digitaria* spp. in turf throughout the eastern and central United States during 2001. Over 20 replicated field trials compared the activity of 1EC, 40WP, 2SC and FG (fertilizer granule) formulations. A single preemergent application of each formulation was evaluated at 0.188 and 0.25 lb ai/acre in the northern U.S.(north) and 0.25 and 0.38 lb ai/acre from the transition zone south (south). Application rates were chosen to demonstrate performance differences between formulations and are not necessarily those used commercially. The FG formulation had the highest unit activity and provided the most consistent level of *Digitaria* control. Greater than 85% control was achieved at 0.188 lb ai/acre in the north and 0.38 lb ai/acre in the south. The EC, WP and SC formulations were comparable requiring 0.25 lb ai/acre in the north and greater than 0.38 lb ai/acre in the south to provide greater than 85% control. No turf injury was observed from any of the formulations. Additional data from 2002 studies will also be reported.

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