

Safety of Dithiopyr on Seedling Turf. (C05-reicher101758-Oral)

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Abstract:

The objectives of our research were to determine the safety of dithiopyr on spring-seeded tall fescue and creeping bentgrass and to determine if dithiopyr can be used to control annual bluegrass during fall fairway renovation to creeping bentgrass. Applications of dithiopyr were applied 0, 3, 7, 10, 14, 17, 21, 24, and 28 days after emergence (DAE) at 0.28 kgha-1 and 0.56 kgha-1 to creeping bentgrass and tall fescue. Dithiopyr can be applied to creeping bentgrass seedlings 10 DAE at 0.28 kgha-1 and 17 DAE at 0.56 kgha-1. Applications to tall fescue can be made 14 DAE at 0.28 kgha-1 and 17 DAE at 0.56kgha-1. In another study, single applications of dithiopyr were applied at 0.28 kgha-1 0, 7, 14, and 21 DAE to creeping bentgrass and annual bluegrass in August and September of 2000 and 2001. Sequential applications were applied four weeks following initial applications. August applications prior to 14 DAE inflicted damage while all September applications reduced creeping bentgrass cover. In 2000, the 0 DAE application reduced annual bluegrass until 35 DAE. In 2001, all August applications of dithiopyr reduced annual bluegrass cover while September applications had no effect.

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