

Ornamental Grass Tolerance to Clopyralid, Isoxaben, and Isoxaben plus Trifluralin. (C05-voigt151405-Poster)

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Abstract:

Few studies have been conducted on the tolerances of ornamental grasses to commonly used landscape herbicides. In studies conducted at the University of Illinois Landscape Horticulture Research Center in Urbana, IL, during 2000 and 2001, ornamental grasses were evaluated for tolerance to clopyralid isoxaben, and isoxaben plus trifluralin. In 2000, to evaluate herbicide-caused crop injury, the postemergence herbicide clopyralid, was applied twice at 560g ae/h and 1120g ae/h (1x and 2x label rates respectively) to 35 ornamental grasses growing in nursery containers. In each of two repeated studies, the plants were evaluated 5 times over a 10-week period. There was no significant crop damage due to applications clopyralid in either experiment. In a 2001 field study, 15 ornamental grasses were treated with the preemergence herbicides isoxaben (224kg pr/h and 448kg pr/h), and isoxaben plus trifluralin (1.49kg pr/h and 2.98kg/h), again to evaluate herbicide-caused crop injury. In each of 2 repeated studies, plant foliage was evaluated 5 times over a 10-week period. Again, there was no significant foliar crop injury in either study.

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Presentation Information:

Presentation Date: Tuesday, November 12, 2002
Presentation Time: 9:00-11:00 am
Poster Board Number: 1139

Keywords:

herbicide tolerance, ornamental grasses