Control of purple nutsedge (*Cyperus rotundus* L.) using glyphosate and 2,4-D sodium salt

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Abstract

An experiment was conducted to investigate the efficacy of two systemic herbicides, viz., glyphosate and 2,4-D Na salt at varying doses and combinations for the control of purple nutsedge (*Cyperus rotundus* L). The lowest dose (1.5 kg ai ha-1) of both herbicides gave complete control of shoot growth and there was no re-growth up to six weeks after spraying. Tuber dry weights also showed drastic reduction following herbicide application and glyphosate at 2.0 kg ai ha-1 recorded the least values. Data on tuber germination, however, indicated probable reinfestation, necessitating repeated application or the use of herbicidal mixtures for a complete kill of the weed.

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