Weed control in soybean [Glycine max (L.) Merr.] with reduce rates of herbicides

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Abstract

The objective of the present study was to evaluate the effects of different concentrations of herbicide on the growth and yield of soybean. The experiment was conducted in a randomized complete block design with three replications. The treatments included four levels of glyphosate (0, 0.5, 1.0, and 1.5 lbs/acre) and three levels of glufosinate (0, 0.5, and 1.5 lbs/acre). The results showed that increasing concentration of both herbicides led to a decrease in plant height, leaf area, and yield components. The highest yield was obtained at the control treatment, while the lowest yield was observed at the highest concentration of both herbicides. The interaction between herbicides was not significant.

Keywords: Herbicide, Soybean, Growth, Yield

References


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Conflict of Interest

The authors declare that they have no conflict of interest.

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