
Increasing activity of growth regulator herbicides with water conditioners

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Water conditioners have been shown to increase the herbicidal activity of glyphosate and glufosinate in hard water. The growth regulators, 2,4-D and dicamba, are also weak acids and potentially their activity could be increased with the use of water conditioners. The objective of this study was to determine the efficacy of several water conditioners in enhancing the herbicidal activity of two formulations of 2,4-D and dicamba in greenhouse studies. The control of velvetleaf and common lambsquarters was evaluated 7, 10, 14 and 21 days after herbicide application. Weed control was greater with all the water conditioners tested. The magnitude of activity enhancement was similar to that obtained with the addition of the same water conditioners to glyphosate.

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