



Management Strategies to Control Multiple Herbicide-Resistant Weeds

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Message from the Guest Editors

Herbicide resistance is now one of the most important areas that must be studied in integrated weed management. The use of different modes of action (MoAs) herbicides should be implemented as a management strategy to reduce or delay the evolution of herbicide resistance evolution. Cross-herbicide resistance occurs when a plant has one mechanism that enables plants to survive treatment with herbicides from different chemical classes or with differing modes or sites of action.

Conversely, multiple-herbicide resistance is the ability (within individuals or populations) to survive the treatment of more than one herbicide. This case generally includes more than one mechanism of resistance. Point mutations in genes encode different target enzymes and lead to limited absorption and translocation, enhanced metabolism, etc.

This Special Issue focuses on weed management strategies that are used to reduce or delay the evolution of multiple-herbicide resistance. Articles and reviews about the challenge of new cases of resistance to multiple herbicides and advances in non-chemical control alternatives are encouraged in the context of integrated weed management.





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