



Sustainable Management of Weeds and Herbicide Resistance

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Message from the Guest Editor

Yield variability due to weed infestations remains a major concern in crop management. Chemical weed control is the most popular and practical way of managing weeds. However, the inappropriate use of these tools have led to the evolution of many herbicide-resistant weed populations. Two factors are driving the need to change weed control practices in conventional farming: the rapidly increasing problem of herbicide resistance and the expectation that many popular herbicides will be withdrawn from the EU market as they do not meet the criteria of EU Regulation 1109/2009.

The over-reliance on the chemical control of weeds has highlighted the need for Integrated Weed Management strategies that combine non-chemical management options that reduce either weed density or competition with crops.

The aim of the special issue is to collect contributions that may help stakeholders to find solutions for the sustainable management of crops 1) controlling the onset of the weeds, 2) controlling the infestation of different weeds in order to avoid the evolution of new herbicide-resistant ones and 3) reversing the infestation of weeds resistant to the herbicides most used for their control.





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