



## 25 Years of Glyphosate-Tolerant Crops: What We Have Learned and How to Face the New Challenges

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### **Message from the Guest Editors**

The coupling of glyphosate-tolerant crops with glyphosate-based herbicides worldwide is the main weed management strategy in corn, soybean, cotton, and canola. The development of herbicide-tolerant crops aimed initially at facilitating weed control and reducing herbicide use.

A current strategy to cope with weed resistance is the development of crops with stacked genes for multiple herbicide tolerance. However, this strategy requires the spraying of multiple active ingredients on field. Most of these are more toxic than glyphosate. Therefore, it seems that the adoption of glyphosate-tolerant crops coupled with glyphosate-based applications does not offer a complete answer regarding weed management and sustainability.

This Special Issue aims to foster a conversation about the agronomic and environmental challenges related to the adoption of glyphosate-tolerant crops and glyphosate-based herbicide applications, and about solutions proposed to help cope with some of these new challenges.

We are pleased to invite you to contribute to this Special Issue, where original research articles, reviews, opinion pieces and mini-reviews are welcome.





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## Message from the Editor-in-Chief

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