Special Issue

Herbicide Selectivity to Crops

Message from the Guest Editors

Herbicide selectivity, also known as tolerance, is a measurement of how different plant species respond to a particular herbicide. It is the cornerstone of effective chemical weed control in crop production systems. Herbicides can be used to control weeds in crops due to their selectivity. To be effective, the herbicide (or herbicide mixture) must control weeds to an acceptable degree without seriously harming the crop or reducing the yield. Herbicides can only be selective for a particular crop up to a certain point. A complex interaction between the plant, the herbicide, and the environment determines the limits. There are many ways to accomplish this, and in reality, a combination of two or more selectivity methods frequently results in overall crop tolerance. This Special Issue will cover all topics related to herbicide selectivity for crops.

Guest Editors

Dr. Kassio Ferreira Mendes

Departamento de Ciências Agronômicas, Universidade Federal de Viçosa (UFV), Viçosa 36570-900, Brazil

Prof. Dr. Miriam Hiroko Inoue

Departamento de Agronomia, Mato Grosso State University, Tangará da Serra 78300-970, MT, Brazil

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Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

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Editor-in-Chief

Prof. Dr. Leslie A. Weston
Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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