Glyphosate Resistance in Crops and Weeds: History, Development, and Management
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Hardcover ISBN: 978-0-470-41031-8 September 2010 $127.00

DESCRIPTION

New technologies are becoming available for managing glyphosate resistant (GR) weeds and reducing their spread. GR crop technology has revolutionized crop production in the developed world and the benefits are gradually spilling over to the developing world. In order to sustain an effective, environmentally safe herbicide such as glyphosate and the GR crop technology well into the future, it is imperative that the issue of GR weeds be comprehensively understood. This book provides such an essential, up-to-date source of information on glyphosate resistance for researchers, extension workers, land managers, government personnel, and other decision makers.

• Provides comprehensive coverage of the intensely studied topic of glyphosate resistant (GR) in crops
• Details the development of glyphosate resistance and how to detect and manage the problem in crops
• Helps standardize global approaches to glyphosate resistance
• Encompasses interdisciplinary approaches in chemistry, weed science, biochemistry, plant physiology, plant biotechnology, genetics, ecology
• Includes a chapter on economic analysis of GR impact on crops
ABOUT THE AUTHOR

VIJAY K. NANDULA, PhD, is an assistant research professor at Mississippi State University. His current research focuses on monitoring, documenting, and characterizing the herbicide-resistant weed populations in Mississippi, focusing on their level of resistance, mechanisms, multiple resistance, and biology.

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