

Glyphosate Resistance in Crops and Weeds: History, Development, and Management

Vijay K. Nandula (Editor)

978-0-470-41031-8 • Hardcover • 344 pages • August 2010 • \$99.95

Presents the latest technology and strategies for managing glyphosate-resistant weeds

Glyphosate-resistant (GR) crop technology has revolutionized crop production in many parts of the world, offering such benefits as reduced fuel costs and improved soil conservation; however, GR weeds are becoming one of the most pressing problems in crop protection, threatening the sustainability of glyphosate and GR crop technology. This book details the development of glyphosate resistance, offering interdisciplinary approaches for managing GR weeds and reducing their spread.

Glyphosate Resistance in Crops and Weeds features contributions from leading experts in the many disciplines needed to fully understand GR crops and weeds. The authors have reviewed and analyzed all the latest research findings as well as the latest technologies developed to manage GR crops and weeds. Coverage includes:

- Developmental processes of first and subsequent generations of GR crops
- Separate chapter on the economic impact of GR weeds
- Strategies for effectively managing glyphosate resistance
- Regional management issues surrounding GR weeds around the world
- Genetics and genomics of glyphosate resistance
- Methods of testing for glyphosate resistance

References guide readers to the primary literature for further investigation of individual topics. A compilation of commonly used terms in herbicide resistance and their definitions is also provided.

With the productivity and health of croplands threatened around the world by GR weeds, this review of glyphosate resistance is essential for agricultural chemists, weed scientists, plant scientists, crop consultants, and agronomists.

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, centering on their level of resistance, mechanisms, multiple resistance, and biology.

ORDERING INFORMATION

Use discount code **GRCW9** when ordering to save 20%

North, Central & South America

Tel: 877.762.2974

Email: custserv@wiley.com

Internet: www.wiley.com

Europe, Middle East, Africa & Asia

Tel: +44 (0) 1243 843 294

Email: cs-books@wiley.co.uk

Internet: www.wileyeurope.com

Germany, Switzerland, & Austria

Tel: +49 (0) 6201 606 400

Email: service@wiley-vch.de

Internet: www.wiley-vch.de

