Crop Protection Products for Organic Agriculture:
Environmental, Health, and Efficacy Assessment

Editors:
Allan S. Felsot
Washington State University
2710 University Drive
Richland, WA 99354
509-372-7365 VOICE
509-372-7460 FAX
afelsot@tricity.wsu.edu

Dr. Ken Racke
Dow AgroSciences
9330 Zionsville Road, Bldg 308/2B
Indianapolis, Indiana USA 46268
317-337-4654 VOICE
317-337-3810 FAX
kracke@dow.com

Table of Contents:

Preface


3. Organic Certification of Pesticides: From Philosophy to Practice (Nancy Ostiguy, The Pennsylvania State University)

4. The IR-4 Program for Registration and Development of Organic Products and Biocides (M. P. Braverman, D. L. Kunkel, J. J. Baron, and R. E. Holm, Rutgers University)

5. Organic Pesticide Use: What We Know and Don’t Know about Use, Toxicity, and Environmental impacts (Alex Avery, Hudson Institute)

6. Putting the Toxicology and Risk Assessment of Approved Organic Pesticides in Perspective (Angelina Duggan, CropLife America)
7. A Reduced Risk Insecticide for Organic Agriculture—Spinosad Case Study (Kenneth D. Racke, Dow AgroSciences)

8. Environmental and Health Assessments for Spinosad Against the Backdrop of Organic Certification (Cheryl Cleveland, Dow AgroSciences)


11. Evaluation of Catnip Oil as a Barrier to Termites (Chris Peterson and Janice Ems-Wilson, USDA-ARS & Valencia Community College)

12. Natural Herbicides and Amendments for Organic Weed Control (Timothy W. Miller, Washington State University)

13. Inducible Plant Defenses (Duroy A. Navarre, USDA-ARS)

14. Messenger®: An Environmentally Sound Solution for Crop Production and Protection. (Zhongmin Wei and Frederick S. Betz, Eden Bioscience Corporation)

15. Soil Fate and Non-Target Impact of Bt Proteins in Microbial Sprays and Transgenic Bt Crops (Graham Head, Monsanto LLC)

16. Photolysis of Two Pesticides Used by Organic Farmers—Sabadilla and Ryania (Joseph D. Rosen and Xuejun Zang, Rutgers University)


18. A Review of the Environmental Fate and Effects of Natural “Reduced-Risk” Pesticides in Canada (Dean G. Thompson and D. P. Kreutzweiser, Canadian Forest Service, Natural Resources Canada)

19. Ecotoxicology of Neem (John D. Stark, Washington State University)