

Human Dimensions of Herbicide Resistance

Author: Ward, Sarah

Source: Weed Science, 64(sp1) : 551

Published By: Weed Science Society of America

URL: <https://doi.org/10.1614/WS-D-16-sieditorial.1>

BioOne Complete (complete.BioOne.org) is a full-text database of 200 subscribed and open-access titles in the biological, ecological, and environmental sciences published by nonprofit societies, associations, museums, institutions, and presses.

Your use of this PDF, the BioOne Complete website, and all posted and associated content indicates your acceptance of BioOne's Terms of Use, available at www.bioone.org/terms-of-use.

Usage of BioOne Complete content is strictly limited to personal, educational, and non - commercial use. Commercial inquiries or rights and permissions requests should be directed to the individual publisher as copyright holder.

BioOne sees sustainable scholarly publishing as an inherently collaborative enterprise connecting authors, nonprofit publishers, academic institutions, research libraries, and research funders in the common goal of maximizing access to critical research.

Human Dimensions of Herbicide Resistance

Herbicide resistance has become a major topic of international research in weed science, with a steady stream of presentations and papers on various aspects of the biology of herbicide resistant weeds. Diverse sources—including WSSA—have generated an equally steady stream of recommendations for preventing and managing herbicide resistance. The situation in the field, however, continues to deteriorate, with new cases of herbicide resistant weeds being reported at an increasing rate. We know what to do, but why aren't we doing it?

Part of the answer may be that insufficient attention has been paid to the human component of herbicide resistance evolution and management, especially the complex web of social and economic drivers affecting grower decisions. This Special Issue of *Weed Science* brings together weed scientists, crop consultants, economists, and sociologists to examine interdisciplinary aspects of the herbicide resistance problem and to explore different approaches to managing it. The ideas presented here are those of the authors: publication of these papers does not constitute Weed Science Society of America (WSSA) endorsement of their contents as WSSA policy. However, we hope this Special Issue will

stimulate broader discussion of more innovative ways to address the threat posed by herbicide resistant weeds.

Several of the papers in this Special Issue were developed from presentations given by the authors at the 2014 Second Summit on Herbicide Resistance organized by the WSSA in collaboration with the National Research Council. Financial support for the Summit, and for publication of this Special Issue, was provided by USDA-Animal Plant Health Inspection Service, USDA Office of Pest Management Policy, Weed Science Society of America, Southern Weed Science Society, North Central Weed Science Society, Western Society of Weed Science, Northeast Weed Science Society, and the National Academies of Science. The support of these agencies and organizations is gratefully acknowledged.

Special Issue Guest Editor:
Sarah Ward
Director of Publications
Weed Science Society of America