WEED TECHNOLOGY



VOLUME 37 I NUMBER 3 MAY-JUNE 2023 ISSN 0890-037X | WETEE9 32(6) 659–767 (2018) domarch 01 017/00000000000 Published online by Cambridge University Press



WEED TECHNOLOGY

Published six times a year by the Weed Science Society of America

Jason K. Norsworthy, Editor

The Weed Science Society of America publishes original research and scholarship in the form of peer-reviewed articles in three international journals. *Weed Science* is focused on understanding "why" phenomena occur in agricultural crops. As such, it focuses on fundamental research directly related to all aspects of weed science in agricultural systems. *Weed Technology* focuses on understanding "how" weeds are managed. As such, it is focused on more applied aspects concerning the management of weeds in agricultural systems. *Invasive Plant Science and Management* is a broad-based journal that focuses not only on fundamental and applied research on invasive plant biology, ecology, management, and restoration of invaded non-crop areas, but also on the many other aspects relevant to invasive species, including educational activities, policy issues, and case study reports. Topics for *Weed Technology* include all aspects of weed management in agricultural, ornamental, forestry, aquatic, turf, recreational, rights-of-ways, and other settings; weed resistance to herbicides; herbicide resistant crops; biological weed control agents; new weed management techniques; impacts of weed competition with crops; vegetation management with plant growth regulators; weed surveys; weed-related grower surveys; education; and extension. Symposia papers and reviews are accepted. Consult the editor for additional information.

Associate Editors (Assignment Year)

Jason Bond, *Stoneville, MS* (2010) Kevin Bradley, *Columbia, MO* (2012) Barry Brecke, *Jay, FL* (2013) Peter Dittmar, *Gainesville, FL* (2016) Aaron Hager, *Urbana, IL* (2012) Charles Geddes, *Lethbridge, AB* (2022) Katherine Jennings, *Raleigh, NC* (2021) Prashant Jha, *Ames, IA* (2016) Amit Jhala, *Lincoln, NE* (2018) David Johnson, *Des Moines, IA* (2019) William Johnson, *West Lafayette, IN* (2007) Vipan Kumar, *Hays, KS* (2020) Drew Lyon, *Pullman, WA* (2018) Robert Nurse, *Guelph, ON* (2016) Sandeep Rana, *Galena, MD* (2021) Tracy Candelaria, *Managing Editor* Darren Robinson, *Ridgetown, ON* (2008) Larry Steckel, *Jackson, TN* (2007) Daniel Stephenson, *Alexandria, LA* (2013) Michael Walsh, *Crawley, Australia* (2016) Eric Webster, *Laramie, WY* (2018) Rodrigo Werle, *Madison, WI* (2022) R. Joseph Wuerffel, *Vero Beach, FL* (2020)

Officers of the Weed Science Society of America

http://wssa.net/society/bod/

Weed Technology (ISSN 0890-037X) is published by the Weed Science Society of America, 12011 Tejon Street, Suite 700, Westminster, CO 80234. It is published bimonthly, one volume per year, six issues per year beginning in February.

Membership includes online access to *Weed Technology, Weed Science, Invasive Plant Science and Management,* and the online WSSA Newsletter. Dues should be sent to WSSA, 12011 Tejon Street, Suite 700, Westminster, CO 80234 no later than December 1 of each year. Membership in the society is on a calendar-year basis only.

New subscriptions and renewals begin with the first issue of the current volume. Please visit the *Weed Technology* subscription page at https://www.cambridge.org/core/journals/weed-technology/subscribe; Email: subscriptions_newyork@cambridge.org in USA, journals@cambridge.org outside USA.

Weed Technology publishes six times a year in February, April, June, August, October, and December. Annual institutional electronic subscription rates: US \$418.00; UK £290.00.

Please use Editorial Manager to access manuscript submissions (http://www.editorialmanager.com/wt). Authors are asked to pay \$85 for the first page and \$65 per page thereafter as a portion of the cost of publication, plus an additional processing charge of \$55 per manuscript if none of the authors are WSSA members. The Editor can make exceptions in advance when justified.

The Weed Science Society of America fully subscribes to the belief that progress in science depends upon the sharing of ideas, information, and materials among qualified investigators. Authors of papers published in *Weed Technology* are therefore encouraged, whenever practicable and when state and federal laws permit, to share genotypically unique propagative materials they might possess with other workers in that area who request such materials for the purpose of scientific research.

Weed Technology published by the Weed Science Society of America. Copyright 2023 by the Weed Science Society of America. All rights reserved. Reproduction in part or whole prohibited.

Cover

Leaf crinkling associated with spring-applied indaziflam at 146 g ai ha-1 ($2 \times$ rate) on 2-yr old 'Duke' northern highbush blueberry at Chatsworth, NJ. Photo credit: Thierry E. Besançon.

WEED TECHNOLOGY

VOLUME 37

MAY-JUNE 2023

NUMBER 3

• **RESEARCH ARTICLES**

Weed control and highbush blueberry tolerance with indaziflam on sandy soils Thierry E. Besançon and Wesley Bouchelle	213
Effect of herbicides on pollinator foraging behavior and flower morphology in white clover (<i>Trifolium repens</i> L.)-infested turfgrass	
Navdeep Godara, R. Chris Williamson, Daewon Koo and Shawn D. Askew	221
Planting into a living cover crop alters preemergence herbicide dynamics and can reduce soybean yield Jose J. Nunes, Nicholas J. Arneson, Ryan P. DeWerff, Matt Ruark, Shawn Conley, Damon Smith and Rodrigo Werle.	226
First report on ALS herbicide resistance in barnyardgrass (<i>Echinochloa crus-galli</i>) from rice fields of India Vijay K. Choudhary, Seshadri S. Reddy, Subhash K. Mishra, Yogita Gharde, Sunil Kumar, Mayank Yadav, Subrid Barik and P.K. Singh	236
Simulated herbicide spray retention of commonly managed invasive emergent aquatic macrophytes Erika J Haug, Andrew W Howell, Benjamin P Sperry, Christopher R Mudge, Robert J Richardson and Kurt D Getsinger	243
Multiple herbicide-resistant waterhemp control with Group 15 herbicides Hannah E. Symington, Nader Soltani, Allan C. Kaastra, David C. Hooker, Darren E. Robinson and Peter H. Sikkema	251
Herbicide screening for weed control and crop safety in California melon production Travis M. Bean, Scott Stoddard, Lynn M. Sosnoskie, Adewale Osipitan, Pratap Devkota, Guy B. Kyser and Bradley D. Hanson	259
Zoysiagrass and weed response to herbicides during post-dormancy transition Jordan M. Craft, Navdeep Godara and Shawn D. Askew	267
Performance of unoccupied aerial application systems for aquatic weed management: Two novel case studies Andrew W. Howell, Ramon G. Leon, Wesley J. Everman, Helena Mitasova, Stacy A.C. Nelson	
and Robert J. Richardson	277
Preemergence and postemergence weed control in sweet corn on organic soils Alex G. Rodriguez, Hardev S. Sandhu, Alan L. Wright and D. Calvin Odero	287
Rush skeletonweed (<i>Chondrilla juncea</i>) control and winter wheat injury with picloram applied in fallow Drew J. Lyon and Mark E. Thorne	296
Dose-response of five weed species to indaziflam and oxadiazon Shwetha S. Ramanathan, Travis W. Gannon and Patrick J. Maxwell	303
Efficacy of herbicides for selective control of an invasive liana, old man's beard (<i>Clematis vitalba</i>) Brenda Jarvis-Lowry, Kerry C. Harrington, Hossein Ghanizadeh and Alastair W. Robertson	313