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, horticultural, 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, Jav. FL (2013) Ian Burke, Pullman, WA (2007) Peter Dittmar, Gainesville, FL (2016) Steve Fennimore, Salinas, CA (2004) Aaron Hager, Urbana, IL (2012)

Brad Hanson, Davis, CA (2013) Prashant Jha, Huntley, MT (2016) Amit Jhala, Lincoln, NE (2018) William Johnson, West Lafayette, IN (2007) Andrew Kniss, Laramie, WY (2016) Drew Lyon, Pullman, WA (2018) Patrick McCullough, Griffin, GA (2016) Scott McElroy, Auburn, AL (2012)

Robert Nurse, Guelph, ON (2016) Darren Robinson, Ridgetown, ON (2008) Larry Steckel, Jackson, TN (2007) Daniel Stephenson, Alexandria, LA (2013) Mark VanGessel, Georgetown, DE (2013) Michael Walsh, Crawley, Australia (2016) Eric Webster, Baton Rouge, LA (2018) Cammy Willett, Fayetteville, AR (2017)

Tracy Candelaria, Managing Editor

Officers of the Weed Science Society of America

Scott Senseman, President Larry Steckel, President-Elect William Curran, Vice President Janis McFarland, Past President Darrin Dodds, Secretary Phil Banks, Treasurer Sarah Ward, Director of Publications

Mark Bernards, Chair, Constitution and Operating Procedures

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 \$369.00; UK £257.00.

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 2018 by the Weed Science Society of America. All rights reserved. Reproduction in part or whole prohibited.

Cover

Watermelon vines exhibiting symptoms to auxin herbicides. Growth stages of watermelon were evaluated for sensitivity to 2,4-D and dicamba along with yield and herbicide residue accumulation in marketable fruit. Photo courtesy of Alfred S. Culpepper. For more information, refer to Culpepper et al., pp. 267–272.