WEED SCIENCE
Published six times a year by the Weed Science Society of America
William K. Vencill, Editor

The Weed Science Society of America publishes original research and scholarship in the form of peer-reviewed articles in three international journals. Weeds Science is focused on understanding why phenomena occur in agricultural crops. As such, it focuses on fundamental research directly related to all aspects of weeds in agricultural systems. Weed Technology is focused on understanding how weeds are managed. As such, it focuses 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 in 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 Weeds Science include the biology and ecology of weeds in agricultural, forest, aquatic, turf, recreational, rights-of-way, and other settings; genetics of weeds and herbicide resistance; chemistry, biochemistry, physiology and molecular action of herbicides and plant growth regulators used to manage undesirable vegetation, and herbicide resistance; ecology of cropping and non-cropping systems as it relates to weed management; biological and ecological aspects of weed control tools including biological agents, herbicide resistant crops, etc.; efforts of weed management on soil, air, and water. Symposia papers and reviews are accepted. Consult the editor for additional information.

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On the Cover: Scanning electron microscopic image of two spray hoses showing wear and possible adhesion spots for auxinic herbicides. See article by Cundelaria et al. for more information. Photo taken by Gary Cundell, Mississippi State University.
MY VIEW

Another view. K. Neil Harker, Carol Mallory-Smith, Bruce D. Maxwell, David A. Mortensen, and Richard G. Smith

PHYSIOLOGY/CHEMISTRY/BIOCHEMISTRY

Recurrent Sublethal-Dose Selection for Reduced Susceptibility of Palmer Amaranth (Amaranthus palmeri) to Dicamba. Parsa Tehranchian, Jason K. Norsworthy, Stephen Powles, Mohammad T. Bararpour, Muthukumar V. Bagavathanan, Tom Barber, and Robert C. Scott

Differential Response of Palmer Amaranth (Amaranthus palmeri) Gender to Abiotic Stress. Nicholas E. Korres, Jason K. Norsworthy, Toby FitzSimons, Trent L. Roberts, and Derrick M. Oosterhuis

Metabolism of Fluazifop-P-butyl in Resistant Goosegrass (Eleusine indica) in Taiwan. Chang-Sheng Wang, Wan-Ting Lin, Yeong-Jene Chiang, and Ching-Yuh Wang

A Rare Ile-2041-Thr Mutation in the ACCase Gene Confers Resistance to ACCase-inhibiting Herbicides in Shortawn Foxtail (Alopecurus aequalis). Wenlei Guo, Lele Zhang, Hengzhi Wang, Qi Li, Weilang Liu, and Jinran Wang

WEED BIOLOGY AND ECOLOGY


Investigation of Potential Seed Dormancy Mechanisms in American Burnweed (Erechtites hieraciifolius) Seeds from Wild Blueberry (Vaccinium angustifolium) fields. Scott N. White, Linshan Zhang, and Kris Pruski

WEED MANAGEMENT

Influence of Tillage on Control of Wild Oat (Avena fatua) by the Soil-applied Herbicide Pyroxasulfone. Amy R. Mangin, Linda M. Hall, Jeff J. Schoenau, and Hugh J. Beckie

Efficacy of Saflufenacil for Control of Glyphosate-Resistant Horseweed (Conyza canadensis) as Affected by Height, Density, and Time of Day. Christopher M. Budd, Nader Soltani, Darren E. Robinson, David C. Hooker, Robert T. Miller, and Peter H. Sikkema


Management Options for Multiple Herbicide-Resistant Corn Poppy (Papaver rhoes) in Spain. Jordi Rey-Caballero, Arizt Royo-Esnaí, Jordi Recasens, Ignacio González, and Joel Torra

SPECIAL TOPICS


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