

WSSA
President
Dr. Anita Dille

CWSS
President
Dr. Marie-Josée Simard

**Presentation of
Honors & Awards,
WSSA**
Dr. Mandy Bish

**Presentation of
Honors & Awards,
CWSS**
Dr. Charles Geddes

**Scholarship and
Awards
Committee -
CWSS**

Charles Geddes (Chair)
Dilshan Benaragama
Christopher Budd
Shaun Sharpe
Scott White

CJPS
**Outstanding
Weed Science
Paper
Committee -
CWSS**

Robert Nurse (Chair)
Shaun Sharpe
Scott White



Canadian Weed Science Society
Société canadienne de malherbologie

Awards Program

Tuesday, February 22, 2022

3:00 PM

Virtual

Award

Subcommittee Chair

Outstanding Extension	Eric Prostko
Outstanding Research	Peter Dotray
Outstanding Graduate Student	Nick Basinger
Outstanding Teacher	Greg MacDonald
Outstanding Early Career Weed Scientist	Prasant Jha
Outstanding Industry	Rich Zollinger
Public Service Award	Mike Barrett
Excellence in Journalism Award	Caren Schmidt
US-HRAC Herbicide Resistance Management Award	Scott Senseman
Outstanding Paper - Invasive Plant Science & Management	John Madsen
Outstanding Paper - Weed Science	Pat Tranel
Outstanding Paper - Weed Technology	Peter Dittmar
Outstanding Reviewers	Chris Willenborg
Fellows	Krishna Reddy
Honorary Members	Krishna Reddy

Weed Science Society of America Awards

FELLOWS - Sponsored by WSSA. The nominees must be active members of the WSSA at the time of their nomination and have been active members for at least 10 years. They must have made substantial contributions in more than one of the following areas: (1) professional publications, (2) educational contributions other than publications, (3) development or improvement of weed science programs, practices, and products, (4) other professional contributions, (5) service to WSSA or regional conferences, and (6) service to the profession outside the society. Up to 0.25 percent of the active membership of WSSA may be elected to fellowship in one year.

HONORARY MEMBERS - Sponsored by WSSA. Honorary memberships are given for significant contributions to the field of weed science. Active membership in WSSA is not a requirement.

OUTSTANDING INDUSTRY AWARD - Sponsored by WSSA. The recipient must be a member of the WSSA and be employed in private industry. This award recognizes professional accomplishments via products, processes, patents, and publications.

OUTSTANDING REVIEWERS - Sponsored by WSSA. This award recognizes WSSA journal reviewing excellence. Winners of the award are determined by Associate Editor Reviewer rankings and completed review times. The two reviewers with the highest rankings (composite score of quality, number and return times) receive the award.

EXCELLENCE IN JOURNALISM AWARD - Sponsored by WSSA. Awarded annually to an individual(s) for excellence in journalistic coverage that increases public understanding of science-based information related to weeds and fosters awareness of weeds and their impacts on managed and natural ecosystems. Sponsored by WSSA.

Industry Sponsored Awards

OUTSTANDING TEACHER AWARD -

Sponsored by Syngenta. To be eligible for this award, the nominee must be currently active in teaching weed science. The recipient must have taught a weed science course(s) at least five times or have served as major professor for at least five students who have received advanced degrees and whose research was in weed science.

OUTSTANDING RESEARCH AWARD -

Sponsored by Corteva Agriscience. This award is for research workers who have demonstrated originality and creativity and whose work has had an impact in the field of weed science. The award is established to recognize outstanding contributions to both applied and basic weed science research.

OUTSTANDING GRADUATE STUDENT

AWARD - Sponsored by Corteva

Agriscience and Syngenta. The student must be a candidate of an MS or PhD degree or have received the degree within the past twelve months at the time the award is presented. The student should have made a notable contribution to weed science and should have a good academic record and sound training in weed science. Above all, the recipient must be recognizable as a truly outstanding individual with excellent potential for continued development.

OUTSTANDING EXTENSION AWARD -

Sponsored by Corteva Agriscience. The recipient of this award must have been active in extension work for four out of the past five years and must devote at least 75 percent of their extension activities to weed science work.

OUTSTANDING PAPER IN WEED

SCIENCE - Sponsored by Cambridge

University Press. This award is given to author(s) of the paper published and judged to be outstanding contribution in the journal, Weed Science.

OUTSTANDING PAPER IN WEED

TECHNOLOGY - Sponsored by Cambridge

University Press. This award is given to the author(s) of the paper published and judged to be the outstanding contribution in the journal, Weed Technology.

OUTSTANDING EARLY CAREER WEED

SCIENTIST - Sponsored by BASF.

This award is for young scientists who have demonstrated originality and creativity and who have made a notable contribution to weed science and have potential for continued excellence. Nominees are eligible for consideration for the Weed Science Society of America 'Early Career Outstanding Scientist Award' if they demonstrate accomplishments in a career in the discipline of weed science for no more than ten (10) years since completion of their terminal degree. The years are further qualified as not calendar years but years.

PUBLIC SERVICE AWARD - Sponsored by

Bayer. Awarded annually to a WSSA member for accomplishments in advancing Public understanding of the scientific principles of Weed Science (including but not limited to the study of weeds, their place in the environment, and the means by which they may be controlled and/or managed).

OUTSTANDING PAPER IN

INVASIVE PLANT SCIENCE AND

MANAGEMENT - Sponsored by

Cambridge University Press. This award is given to author(s) of the paper published and judged to be outstanding contribution in the journal, Invasive Plant Science and Management.

Canadian Weed Science Society - Société Canadienne de Malherbologie Awards

Graduate Student Scholarships. The purpose of the graduate studentships are to (1) recognize academic and research excellence amongst weed science graduate students in Canada, (2) raise the profile of the CWSS-SCM at Canadian universities, (3) to enhance the annual conference by encouraging graduate student participation, and (4) encourage graduate student membership in the CWSS-SCM. Three M.Sc. and three Ph.D. scholarships are awarded each year. Sponsored by Bayer CropScience (1st Place), Corteva Agriscience (2nd Place), Syngenta Canada (2nd Place), and the CWSS-SCM (3rd Place).

CWSS-SCM Outstanding Industry Member Award. The purpose of this award is to recognize excellent leadership and contributions to weed management in Canada. Industry members comprise a significant part of the CWSS-SCM membership. Their contribution has been and will continue to be of great importance to the society. Their interaction with members from the academic and public sectors is paramount to the wellbeing of the weed science discipline. Members eligible for the award must be active within the CWSS-SCM and employed by private industry or be self-employed at the time of nomination. The nominee must be actively engaged in weed science activities and weed science should have been a major component of the nominee's activity and responsibility during his/her career.

CWSS-SCM Excellence in Weed Science Award. The purpose of this award is to recognize excellence among active scientists, educators, regulatory and extension personnel in the area of weed science in Canada. The contributions must be judged to have had a major impact on weed science or the agricultural industry in Canada. Individuals involved in any aspect of weed research, teaching, extension or regulation may be nominated. Nominees should have been active in weed science in Canada for a minimum of 10 years. Sponsored by Corteva Agriscience.

CWSS-SCM Excellence in Weed Extension Award. The purpose of this award is to recognize excellence among active agronomists, scientists, educators, extension personnel or organizations (for example a diagnostic lab) in the area of weed extension or diagnostics. The recipient must clearly demonstrate the extension of weed science through awareness but more importantly adoption and implementation of weed research findings that have had a significant impact at the farm level in Canada. Individuals or organizations who are involved in any aspect of weed extension and/or diagnostics may be nominated. Nominees should have been active in the area of weed extension for a minimum of 5 years.

CWSS-SCM Outstanding Professional Staff Award. The purpose of this award is to recognize outstanding and sustained contributions of professional staff that support weed science activities and contribute to the success of the CWSS-SCM. Nominees may include professional staff that work under the direction of university, provincial, federal, or industry scientists. These individuals may have such titles as researcher, research associate, research assistant, technician, support scientist, or specialist. The nominee must have been involved in weed science research, extension, or resident education for at least 10 years at the time of nomination. Sponsored by Canadian Science Publishing.

Canadian Weed Science Society - Société Canadienne de Malherbologie Awards

CWSS-SCM Fellow Awards. To honour members of the CWSS-SCM who have made outstanding contributions to weed science and to the CWSS-SCM throughout their careers. Nominees must be active members of the CWSS-SCM at the time of their nomination and must have been active members for a total of at least 10 years. Normally, nominees will be in the later stages of their careers. Nominees must have made substantial contribution in more than one of the following areas: (1) Professional responsibilities and publications if applicable in such areas as research, education and/or extension; (2) Educational contributions other than publications; (3) Development or improvement of weed science programs, practices or products; (4) Service to the CWSS-SCM; (5) Service to the profession outside of the CWSS-SCM; or (6) Other professional contributions.

CWSS-SCM Presidential Meritorious Service Award. The purpose of this award is to recognize members the CWSS-SCM who have made significant contribution and/or provided long-standing service to the betterment of the Society. The President, in consultation with the Past-President, may confer the Presidential Meritorious Service Award if in his/her opinion, a member of the Society has demonstrated distinguished service. All members of the CWSS-SCM are eligible.

Canadian Journal of Plant Science Outstanding Weed Science Paper Award. The Canadian Journal of Plant Science is the CWSS-SCM sponsored journal. This award is meant to help encourage the CWSS-SCM membership to choose the CJPS for publication of their research. It is also meant to enhance the profile of the CWSS-SCM within the journal while increasing the quality of the weed science manuscripts that are submitted. Sponsored by Canadian Science Publishing.

CWSS-SCM Best Student Presentation Awards. These awards are given in recognition of the best student oral presentations at the CWSS-SCM annual meeting. All CWSS-SCM student members giving oral presentations will be automatically considered for these awards. The winning presentations will be selected by a panel of judges appointed by the Local Arrangements Committee. Sponsored by Bayer CropScience.

CWSS-SCM Best Poster Awards. The purpose of these awards are to recognize excellence in research and the effective presentation of research results. These awards recognize the three best posters presented at the CWSS-SCM annual meeting. All posters presented by members of the CWSS-SCM are automatically eligible for these awards. The winning posters will be selected by a panel of judges chose by the Local Arrangements Committee. Sponsored by BASF Canada, Inc.

CWSS-SCM Photo Contest. The purpose of these awards are to encourage CWSS-SCM members to hone their photographic skills and to make excellent weed and weed management images available for use by the CWSS-SCM members in CWSS-SCM publications. Photos are judged on their originality, visual quality and subject relevance. The three best photos will be recognized in each of the three following categories: (1) Agriculture and Forestry; (2) Weeds; and (3) Research in Action. An overall people's choice award recognizes the best picture across all categories. Sponsored by Corteva Agriscience.

2022 WSSA Awards

Outstanding Extension Award - Sponsored by Corteva Agriscience

Dr. Joe Neal



Dr. Joe Neal has been a Weed Science Extension educator since 1984. He received his B.S. from the University of Georgia, an M.S. from Clemson University, and his Ph.D. from North Carolina State University. From 1984 to 1996 he was an Extension Weed Scientist at Cornell University. In 1996 Neal joined the Department of Horticultural Science at North Carolina State University where he is responsible for Extension and research related to weed management in nursery crops, landscape plantings and Christmas tree production. He is former President and Fellow of the Northeastern Weed Science Society and has served on the Weed Science Society of America board of directors.

In his Extension programs Neal has emphasized agent training, resource development, and integrating applied research and outreach programming. He has utilized diverse educational strategies for both agent and practitioner training, including hands-on experiential learning workshops, situational problem-solving, videos, mobile apps, blog posts, and a curriculum-based approach that empowers practitioners to make better weed management decisions. The development of educational resources has been a priority of Neal's outreach programs. In 1984 he co-authored the publication *Weed Control Suggestions for Christmas Trees, Woody Ornamentals and Flowers*. The content of that publication has been updated, revised, and shared freely with peers and the public, and has been utilized in similar extension publications throughout the U.S., and most recently in the *Southeastern Nursery and Landscape Pest Control Guide* and the *Connecticut Agric. Exp. Station bulletin 1076*. In the past 5 years he has published over fifty extension fact sheets, four training videos, three book chapters, and edited one book and contributed to a mobile app. His Extension information portal is a repository of timely news feeds and resources for county agents and weed control practitioners. Over the past 12 months this information portal was accessed by over 15,000 users from 98 countries.

Outside of the nursery / landscape industries, Neal is perhaps best known as co-author of *Weeds of the Northeast*, widely used in Extension and academic settings. Neal's applied research program integrates with his outreach programs, ensuring that the needs of the industries are served. His team's research has contributed to the registration of most of the herbicides currently used in nursery crop production, and has lead to improved herbicide re-application intervals and herbicide rotational regimens in container nurseries, as well as sanitation practices that reduce overall weed control labor costs by >40%. He has been a speaker at conferences in throughout the U.S. as well as Australia, New Zealand, and England.

2022 WSSA Awards

Outstanding Research Award - Sponsored by Corteva Agriscience

Dr. Peter Sikkema



Peter grew up on a dairy and hog farm in south central Ontario. Peter attended the University of Guelph where he received his BSc (Agr) in 1981 and MSc (Weed Physiology) in 1983. Upon graduation, Peter accepted a position as Field Development Representative for Eastern Canada with Union Carbide. In 1986, Peter was promoted to Product Development Manager for Canada with Rhone Poulenc. Peter joined Ridgetown College in 1988 and taught courses in fruit and vegetable production and conducted cultural management studies in fruit and vegetables. In 1997, Peter joined the University of Guelph as a College Professor with responsibility for weed management in field and horticultural crops. During this time Peter enrolled as a part-time student at the University of

Western Ontario where he completed his PhD in Environmental Sciences in 2002. Peter joined the Department of Plant Agriculture of the University of Guelph in 2003 as an Assistant Professor. In 2007, Peter was promoted to Associate Professor and in 2009 he became a full Professor in the Department. Peter is responsible for weed management in field crops and teaches "Crop Diagnostics and Recommendations" and "Herbicide Physiology and Biochemistry". During his career Peter has secured research funds in excess of \$17 million, published more than 375 peer-reviewed manuscripts, and was an author/co-author of more than 350 oral/poster presentations at scientific conferences. Peter has supervised more than 40 graduate students. Peter has served on the boards of the CWSS, NCWSS, and WSSA. Peter was President of the CWSS in 2011. Peter has received the "Fellow" award from the Canadian Society of Agronomy, Canadian Weed Science Society, North Central Weed Science Society, and the Weed Science Society of America.

2022 WSSA Awards

Outstanding Graduate Student Award - Sponsored By Corteva Agriscience and Syngenta



Ramawater Yadav

Ram Yadav is a recent PhD graduate from Dr. Prashant Jha's Weed Science lab the Iowa State University-Ames, IA. Ram grew up on a small family farm in the northwestern part of India and was first one to obtain a college degree in his community. He received his BS degree in Agriculture from the Maharana Pratap University of Agriculture and Technology, Udaipur, India. Ram scored 26th rank in the All India Junior Research Fellowship exam conducted by the Indian Council of Agricultural Research to pursue a MS degree. He completed his MS in Agronomy from the Punjab Agricultural University, Ludhiana, India. Ram started his PhD in 2016 at the Montana State University-Bozeman with Dr. Prashant Jha and transferred it to the ISU in summer 2019. Ram has taught Plant Biotechnology (BIOB 430) course while at

MSU. He has served as the Seminar Chair for the Agronomy Graduate Student Club at ISU. His PhD dissertation focused on Multi-tactic ecological strategies to manage *Bassia scoparia* and *Amaranthus tuberculatus* in the cropping systems of Great Plains and Midwestern U.S. "Throughout his PhD degree, Ram has been actively involved in managing multi-site Weed Science trials, industry and university field days, and training of undergraduate and MS students. He has authored/coauthored 13 peer-reviewed journal articles and six extension publications. Ram has secured 14 awards/scholarships from the ISU and the Weed Science Societies. This includes two Outstanding Graduate Student Awards by the WSSS and NCWSS, and a Research in Excellence Award by the Graduate College at ISU. Ram loves traveling and always ready to visit new places.

Lawson Priess



Lawson grew up in Weatherford, TX and was raised by his father and mother, Grant and Dina Priess. Lawson spent multiple summers working in the Panhandle of Texas as Crop Scout and Independent Research Assistant and also interned for DuPont in Arkansas. He graduated from Stephen F. Austin University in 2016 with a B.S. in Agronomy and has completed his M.S. and Ph.D. in Weed Science from the University of Arkansas under the advisement of Jason Norsworthy. Lawson recently accepted a position working as the Enlist Field Specialist for Corteva AgriSciences in the Midsouth. His Ph.D. research assessed interactions of auxin herbicides and glufosinate as well as identified novel resistance in Palmer amaranth populations. During his time at the University of Arkansas, Lawson has been successful at presenting his research, winning multiple awards at the Beltwide Cotton Conference, Arkansas Crop Protection Association, Southern Weed Science Society (SWSS), Rice

Technical Working Group, and Weed Science Society of America. He has published five peer-reviewed manuscripts, two pending review, and plans to submit three additional manuscripts. During his time as a graduate student, Lawson has also published 29 abstracts as first author and coauthored an additional 40 abstracts. Lawson has been successful at competing at the SWSS Weed Contest, winning 1st place overall individual in 2021 and 5th place overall individual in 2017 and 2018. During his time as a M.S. and Ph.D. student, Lawson served as Vice President and President of the SWSS graduate student organization. Lawson has been recognized for his academic and extracurricular achievements with awards such as the 2019 and 2021 Department of Crop, Soil, and Environmental Sciences Outstanding M.S. and Ph.D. Student Award, the Ron and Alice Talbert Distinguished Weed Science Scholarship, University of Arkansas Doctoral Academy Fellowship, and the Arkansas Soybean Promotion Board Fellowship. Lawson has made advances to science outside of his graduate research by discovering an additive to increase glufosinate activity. This finding has led to the procurement of a provisional patent.

2022 WSSA Awards

Outstanding Teacher Award - Sponsored by Syngenta

Dr. Ramon Leon



Dr. Ramon Leon is an associate professor of Weed Biology and Ecology in the Department of Crop and Soil Sciences, North Carolina State University, USA. Previously, he was an associate professor of Weed Science at the University of Florida, USA, professor of Weed Science at EARTH University in Costa Rica, and assistant professor at California Polytechnic State University, San Luis Obispo, USA. Dr. Leon obtained a Ph.D.(2005) and M.S. in Crop Production and Physiology (2003) with emphases on Weed Science and Seed Science, and a Ph.D. in Genetics (2005) from Iowa State University, and a B.S. in Agronomy (2000) from the University of Costa Rica. His research has focused on understanding changes in weed dynamics in response to management and environmental factors. He has published over 116 peer-reviewed scientific articles, 2 book chapters, and 210 abstracts. He is Editor of the Journal of Aquatic Plant Management, and Associate Editor for Weed Science, Weed Research, Agronomy Journal, Peanut Science, and previously for the journals Weed Technology and Agronomy. He has mentored seven Ph.D. and eight master's students, four postdocs, and tens of undergraduate students conducting senior projects in different aspects of weed science.

2022 WSSA Awards

Outstanding Early Career Weed Scientist Award - Sponsored by BASF

Dr. Paul Tseng



Dr. Te-Ming "Paul" Tseng is an Associate Professor in the Department of Plant and Soil Sciences at Mississippi State University. He received his B.S. in Biotechnology from Bangalore University, India, and his M.S. in Plant Biotechnology from Allahabad Agricultural Institute, India. He obtained his Ph.D. in Cell & Molecular Biology in Weed Science from the University of Arkansas, Fayetteville. Following his Ph.D., he worked as a postdoctoral research associate at the University of Arkansas and Purdue University. He is currently working on identifying herbicide-resistant mechanisms in numerous weed species and characterizing competitive traits in weeds to understand the genes and/or biochemical pathways associated with these competitive traits. Courses taught are "Weed Biology and Ecology," "Herbicide Physiology and Biochemistry," and "Environmental Fate

of Herbicides." He has advised and successfully graduated 6 Doctoral and 4 Master's students. Currently, he is advising 3 Doctoral and 1 Master's student and has been on 5 Doctoral and 9 Master's committees. Dr. Tseng has authored or co-authored 48 peer-reviewed journal articles, 4 book chapters, and 131 conference proceedings (104 in national/regional weed science proceedings). He serves as an active reviewer of federal and state grants, including the USDA AMS, USDA NIFA, MS NASA EPSCoR, Southern SARE, and Foundation for Food and Agriculture Research. He is also on the Editorial Board of Weed Science, Crop Science, Plant Gene (Elsevier), and Frontiers in Plant Science.

He has won several awards, including the MSU Excellence in Teaching Award, MSU Outstanding Faculty Service Award, AASIO Early Career Agricultural Scientist Award, WSSA Outstanding Reviewer Award, William M. White Special Project Awards, MSU OSLCE Outstanding Mentor Award, WSSA Weed Team Coach Award (third place), MSU Provost Schillig Special Teaching Award, Southeastern Conference Faculty Travel Award, and the International Weed Science Society Travel Award. Dr. Tseng is very active in service to the weed science community, having been chosen for several leadership roles within the Weed Science Society of America (WSSA), Southern Weed Science Society (SWSS), and the International Weed Science Society (IWSS). Dr. Tseng currently serves as the Editor of the SWSS Proceedings, the Treasurer of the IWSS, and the WSSA representative to the Technical Advisory Group for Biological Control Agents of Weeds (a USDA APHIS unit). He has also served as a Member of the WSSA Graduate Student Travel Award Selection Committee, WSSA Undergraduate Research Award Selection Committee, WSSA Noxious, and Invasive Weeds and Biocontrol Committee, WSSA Website Committee, WSSA Professional Development and Membership Committee, WSSA Travel Enrichment Experience Committee, and SWSS Finance Committee. He chaired the WSSA Physiology Session, WSSA Soil and Environmental Aspects Session, WSSA Teaching and Extension Session, and SWSS Physiological and Biological Aspect of Weed Control. Dr. Tseng is an active member of the Southern Weed Science Society and Weed Science Society of America and has been involved in SWSS/WSSA meetings since 2008. He has been married to Sally and is blessed with one son and one daughter.

2022 WSSA Awards

Outstanding Industry Award - Sponsored by WSSA

Dr. Chandrashekar Aradhya



Dr. Chandrashekar (Chandra) Aradhya is a Science Fellow at Bayer CropScience and is the Head of Herbicide Resistance Management (HRM) in Regulatory Science based in St Louis, Missouri. He received his BS degree in Agriculture and MS degree in Plant Breeding and Genetics from the University of Agricultural Sciences, Bengaluru, India, and completed his PhD in Plant Breeding and Genetics at the Indian Agricultural Research Institute,

New Delhi, India. After postdoctoral research on plant-defense signaling at the University of Kentucky, he has spent his career working in small and large companies including 2 years at BioDiagnostics (Eurofins), 9 years at Dow Agrosiences (now Corteva), and currently at Bayer for the past 4 years. In his current role, Chandra is leading HRM efforts for Bayer's portfolio. He is actively involved in supporting HRM terms of the registration for XtendiMax® herbicide in the U.S. He is also focused on exploring alternate weed control research methods and building Bayer's external partnerships to promote integrated weed management.

While at Dow Agrosiences, Chandra has led high throughput genotyping to support trait introgression in biotech products development including herbicide- tolerant traits and later led global registration of 2,4-D tolerant corn and its associated breeding stacks that are subsequently commercialized. Chandra is currently serving as chair of US-Herbicide Resistance Action Committee (HRAC; an industry group focused on HRM) and works closely with relevant WSSA committees, EPA, Take Action and Global HRAC, for example, to implement the herbicide mode-of-action classification that was recently revised in 2020 and to support developing webinars on HRM education. He contributed to the EPA Pesticide Program Dialogue Committee's recent recommendation on pesticide resistance management policy revisions. He was also instrumental in instituting the new US-HRAC HRM Award within WSSA that recognizes outstanding contributions towards HRM by academic scientists. One of his emphases has been to seek productive collaborations between the private and public sectors and he is thankful to his colleagues, public and industry partners for their support in building collaborations.

2022 WSSA Awards

WSSA Public Service Award - Sponsored by Bayer

Amy Asmus



Amy Asmus, Vice President of Asmus Farm Supply, Inc, is a respected and successful owner/agronomist of a family owned agricultural retailer selling to growers who self-apply crop inputs. Amy has participated in state and international CCA board roles. Including international chairperson in 2014, and currently serves as liaison between the international CCA board and the American Society of Agronomy board. Amy was nominated by the Weed Science Society to serve on the EPA Office of Pesticide Programs advisory board Pesticide Policy Discussion Committee. This year starts her third term on this advisory board.

Amy is a member of the Agricultural Retailer Association where she currently serves as the Vice Chair of the board, moving into the Chair position in 2024. Amy has also served as a speaker on several panels with CropLife America, CropLife Canada, WSSA, Iowa State University and numerous other groups as requested. Amy is the mother of three wonderful children and grandmother to 4 (soon to be 6). She is active in her church and loves to read, garden quilt and travel with her family.

Excellence in Journalism Award - Sponsored by WSSA

Dr. Lauren Quinn



Lauren Quinn, Ph.D., is a science writer for the College of Agricultural, Consumer and Environmental Sciences at the University of Illinois. She writes about scientific advancements in crop and animal sciences, as well as natural resources and environmental sciences. Trained in the laboratory of WSSA Fellow Dr. Jodie Holt, Lauren got her start as an invasive plant ecologist and was an academic member of the WSSA during her graduate studies and postdoctoral research. She lives in Urbana, Illinois, with her two children and no fewer than 150 houseplants.

2022 WSSA Awards

US-HRAC Herbicide Resistance Management Award - Sponsored by HRAC

Dr. Adam Davis



Dr. Adam Davis has served as Professor and Head in the Department of Crop Sciences at the University of Illinois at Urbana-Champaign since 2018. Prior to that, he served as a Research Ecologist with the USDA-ARS Global Change and Photosynthesis Research Unit, embedded within Crop Sciences on the UIUC campus. He received a B.A. in Biology from Yale University, an M.A.T. in Secondary Science Education from Brown University, an M.S. in Ecology and Environmental Sciences from University of Maine, and a Ph.D. in Crop Production and Physiology (Weed Science) from Iowa State University. Adam's research makes use of both experimental and modeling approaches to solve applied weed ecology problems in field crop production systems.

Recent research areas include modeling the evolution and spread of herbicide resistant weeds, developing multi-tactic integrated weed management systems for organic and low-external-input farms, predicting changing distributions of weedy and invasive plant species under global change and conducting risk analysis of bioenergy crop invasion potential.

Aaron Hager



Aaron Hager is an associate professor of extension weed science in the Department of Crop Sciences at the University of Illinois. He attended Southern Illinois University, Carbondale and received a B.S. in Plant and Soil Science in 1991. He then went to Michigan State University and received his M.S. in weed science in May, 1993. Later that month, he joined the University of Illinois as a weed science extension specialist. In 2001, he completed his Ph.D. in weed science and joined the Department of Crop Sciences faculty

in 2002. As an associate professor of weed science at the University of Illinois, Dr. Hager is responsible for weed biology and management research in corn and soybean production systems. His research focuses on examining the biology and management of weed species that are common in Illinois agronomic crops.

2022 WSSA Awards

US-HRAC Herbicide Resistance Management Awards - Sponsored by HRAC

Dean Riechers



Dr. Dean Riechers is from Grant Park, IL and received his BS and MS in Agricultural Sciences/Agronomy at the University of Illinois-Urbana, where he investigated surfactants that improve glyphosate efficacy and cellular uptake in common lambsquarters. He then earned his PhD in Crop Sciences at Washington State University, where he studied the biochemistry and molecular biology of herbicide safeners for protecting winter wheat seedlings from soil-applied herbicides that control jointed goatgrass and downy brome. After a two-year postdoc position at the University of Virginia studying the molecular regulation of nicotine biosynthesis in

tobacco, Dr. Riechers started his faculty career as Assistant Professor at the University of Illinois-Urbana in 1999 and is currently Professor of Weed Physiology in the Department of Crop Sciences. His program aims to educate students in conducting applied and basic research using contemporary molecular, biochemical, and physiological methods.

Dr. Riechers' research program investigates responses of crops and weedy plants to herbicides, safeners, and abiotic stresses, with the long-term goals of discovering innovative methods to enhance herbicide tolerance in cereal crops and managing herbicide-resistant weeds. Dr. Riechers is an expert in unraveling metabolic resistance mechanisms in waterhemp, particularly regarding resistance to synthetic auxins, HPPD inhibitors, VLCFA inhibitors, and s-triazines. He frequently collaborates with weed scientists from academia and private industry to comprehensively understand resistance mechanisms and herbicide synergism to ultimately improve selective management of herbicide-resistant weeds in corn, grain sorghum, and soybean production systems. His current safener research utilizes grain sorghum, corn, and wheat to explore safener-induced defense and detoxification mechanisms in cereal crop seedlings, with a particular interest in discovering signaling mechanisms that trigger the dramatic upregulation of gene and protein expression in outermost coleoptile cell layers.

Dr. Riechers currently teaches two courses: one undergraduate/graduate course titled 'Weed Management in Agronomic Crops' and one graduate course titled 'Herbicide Action in Plants'. In addition, he is currently developing a new course titled 'Biology of Pest Resistance' and has contributed to online instruction of the herbicide physiology course developed by Dr. William Dyer and Dr. Tracy Sterling at Montana State University. Dr. Riechers has served as the primary advisor and mentor for 9 PhD, 12 MS, and dozens of undergraduate students, and has published more than 80 peer-reviewed journal articles, reviews, and book chapters throughout his career. Dr. Riechers has been an active member of NCWSS and WSSA since 1991, was a member of the WSWS from 1992 to 1997, and currently serves as an associate editor for Weed Science.

2022 WSSA Awards

US-HRAC Herbicide Resistance Management Award - Sponsored by HRAC

Patrick Tranel



Patrick Tranel was raised on a crop and livestock farm in northern Illinois. He received B.S., M.S., and Ph.D. degrees from Iowa State University, Washington State University, and Michigan State University, respectively. After a one-year post-doc with Monsanto, Pat joined the faculty of the University of Illinois in 1997, where he has remained since. Pat's research program uses molecular and genomics tools to address weed science issues. His lab is internationally recognized for its numerous contributions that have increased our understanding of the evolution and underlying mechanisms of herbicide resistance. Pat collaborates extensively with more applied weed scientists at the University of Illinois and elsewhere, fostering a research program that is

timely and relevant to weed management practitioners. Pat actively engages his clientele regarding the practical implications of his research. Pat's research program uses molecular and genomics tools to address weed science issues. His lab is internationally recognized for its numerous contributions that have increased our understanding of the evolution and underlying mechanisms of herbicide resistance. Pat collaborates extensively with more applied weed scientists at the University of Illinois and elsewhere, fostering a research program that is timely and relevant to weed management practitioners. Pat actively engages his clientele regarding the practical implications of his research.

Pat has authored/coauthored 114 research papers, 20 review articles, and 8 book chapters. His research contributions were facilitated by 33 graduate students and postdocs, as well as by collaborations with numerous University of Illinois and WSSA colleagues.

In addition to his research contributions, Pat also has contributed significantly to formal training of future weed scientists and practitioners. Roughly 1000 undergraduate students have taken his introductory weed science course; several of these students have been inspired to pursue a career in weed science. Pat currently serves on the editorial boards of three journals, including service as an Associate Editor of *Weed Science* since 2002. He is a Fellow of the North Central Weed Science Society. Pat currently holds the Ainsworth Professorship and is Associate Head of the Department of Crop Sciences at the University of Illinois.

2022 WSSA Awards

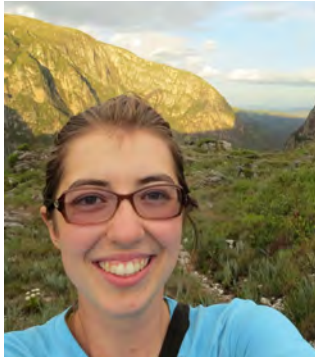
Outstanding Paper Award: Invasive Plant Science & Management - Sponsored by Cambridge University Press

Assessing vulnerability and resistance to plant invasions: A native community perspective.

Ibanez I, Liu G, Petri L , Schaffer-Morrison S, Schueller S



Ines Ibanez, Professor, School for Environment and Sustainability, University of Michigan. My work is guided by the societal need to forecast the response of organisms, populations, communities and ecosystems to global change. In particular, my research focuses on forecasts at temporal and spatial scales that can inform environmental management practices and policy. My experimental and observational work aims at developing the knowledge necessary to predict organisms' responses to the novel environments created by global change. My quantitative work seeks to integrate existing knowledge and data into forecasting ecosystems' dynamics under future environments.



La s Petri, Ph.D. Candidate at School for Environment and Sustainability (SEAS), University of Michigan. I am a plant community ecologist. My research focuses on investigating plant community ecology principles and how this knowledge can be applied to the management of invaded ecosystems. In particular, my focus is on understanding drivers of plant invasion and how forests are structured when invaded. I explore these themes by developing field experiments, observational work, and systematic literature reviews.

I have a Biology Bachelors' degree and a Master's Degree in Plant Biodiversity and Environment. I started my Ph.D. degree at SEAS in 2018, where my research takes a novel approach on switching the focus from the invader to the invaded community. My work aims to advance ecological knowledge in ecosystem resistance and vulnerability to invasive species. I also have experience and considerable interest in the management of protected areas and science outreach.

2022 WSSA Awards

Outstanding Paper Award: Invasive Plant Science & Management - Sponsored by Cambridge University Press

Assessing vulnerability and resistance to plant invasions: A native community perspective.

Ibanez I, Liu G, Petri L , Schaffer-Morrison S, Schueller S



Sam is a second year PhD candidate at the University of Michigan in the Ecology and Evolutionary Biology Department studying how above- and below-ground functional traits impact temperate seedling performance. He received his masters in environment and sustainability from the University of Michigan School for Environment and Sustainability in 2020, with a thesis on the effect of common mycorrhizal networks on northern red oak recruitment.



Sheila Schueller teaches field and project-based courses in ecology, conservation, and restoration for master's students at the University of Michigan School for Environment and Sustainability (SEAS). She completed her M.S. and Ph.D. in Ecology and Evolutionary Biology at the University of Michigan in 2002, and has served as Assistant Director of the Ecosystem Management Initiative in SEAS and as an instructional consultant for the UM Center for Research on Learning and Teaching. She also worked for several years as an adaptive management consultant for conservation organizations across the country, developing practical guides and facilitating workshops to develop evaluation and monitoring plans. She continues to integrate her teaching and research with the real-world data needs of natural resource planners and managers. Her background is in plant-animal interactions, especially the pollination and seed dispersal of invasive plants, and she is interested in exploring sustainable approaches to invasive species management, as well as assessing how managed and built environments (from farms to native landscaping to suburban forests) support biodiversity and ecosystem function and services.

2022 WSSA Awards

Outstanding Paper Award: Weed Science - Sponsored by Cambridge University Press

Species identification and morphological trait diversity in ryegrass populations from the Texas Blackland Prairies Weed Science

Maity A, Singh V, Martins M, Ferreira P, Smith G, Bagavathiannan M

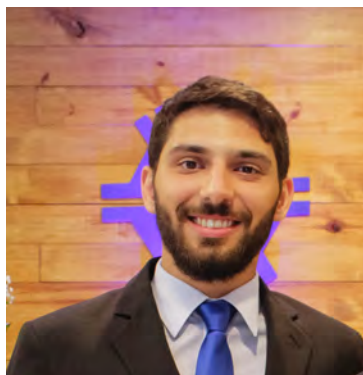


Dr. Maity is a former PhD student and currently a weed science researcher at Texas A&M University, College Station. He works on physiological and anatomical changes in Palmer amaranth and johnsongrass under abiotic stresses and simulated extraterrestrial conditions. His research activities also include gene flow assessment in weedy biotypes; biotic and abiotic stress impacts on weed sex-ratio and adaptive traits; sex manipulation in weeds for its better control; harvest weed seed control; integrated management, and organic in weeds for its better control;

harvest weed seed control; integrated management, and organic weed control tools. In addition to several other recognitions, he was awarded as the outstanding/meritorious graduate student by WSSA, CSSA, ASA, and also by Texas A&M at department, college, and university levels.



Dr. Singh is an Assistant Professor of Weed Science at Eastern Shore Agricultural Research and Extension Center, Virginia Tech, Painter. His research program relies on inter-disciplinary approaches with focus on herbicide-resistance, precision weed management, and sustainable cropping systems. His program provides expertise on weed research and extension in row-crops such as corn, soybean, and cotton. He is also working on digital agriculture and data driven technologies under Virginia Tech's Smart Farming Initiative.



Matheus is an agronomist graduated from the Federal University of Pelotas (UFPEL), Brazil. In 2017, he came to Texas A&M University for internship with Dr. Muthukumar Bagavathiannan. He worked on the identification and ecophysiology of *Aeschynomene* spp., a common weed in the rice fields of Brazil during his master's at the Crop Protection Program (UFPEL). He is currently a PhD candidate at the same program and working on integrated management of weeds in rice, soybean and pastures, cultivated lowlands, at UFPEL and Embrapa Clima Temperado.

2022 WSSA Awards

Outstanding Paper Award: Weed Science - Sponsored by Cambridge University Press

Species identification and morphological trait diversity in ryegrass populations from the Texas Blackland Prairies Weed Science

Maity A, Singh V, Martins M, Ferreira P, Smith G, Bagavathiannan M



Paulo is from Parana, Brasil and completed his undergraduate in Agronomy at Federal University of Paraná (UFPR) – Setor Palotina, in 2020, working on allelopathy of *Conyza* spp. In 2019, he visited Texas A&M University, College Station for internship and contributed to diverse weed science projects. Currently, Paulo is attending his masters in Crop Science program at USP/ESALQ, evaluating the auxin herbicide as soybean preplanting burndown. He is also working with research and development of products at FMC in Brazil.



Dr. Smith is Regents fellow and Professor of Plant Breeding with Texas A&M AgriLife Research. His research is focused on improvement of forage legumes and grasses with emphasis on persistence, reliable forage production and pest resistance. Dr. Smith has worked in the Texas A&M University System since 1981 and has been recognized with numerous awards including Fellow of the Crop Science Society of America.



Dr. Muthukumar Bagavathiannan is an Associate Professor of Weed Science & Agronomy at the Department of Soil and Crop Sciences, Texas A&M University, College Station, TX. He received a BSc in Agriculture and an MSc in Agronomy at Tamil Nadu Agricultural University, Coimbatore, India; an MSc in Plant Genetic Manipulation at the University of Nottingham, England; a PhD in Weed Ecology at the University of Manitoba, Canada; and obtained postdoctoral training at the University of Arkansas, Fayetteville, AR. Dr. Muthukumar's research interests fall within the broader area of Weed Science and Agronomy, with particular emphasis on weed ecology and integrated management. His program develops digital technologies for advancing precision integrated weed management and accelerating weed ecology research

He takes an inter-disciplinary approach in tackling these challenges, by collaborating broadly at regional, national, and international levels.

Dr. Muthukumar has published over 100 peer-reviewed journal articles, 10 book chapters and several outreach bulletins. He has so far mentored 6 PhD students, 4 MS students, 4 Postdoctoral Researchers, 2 Research Assistants, 5 Visiting Scholars, 12 Student Interns, and 8 Undergraduate Researchers; and is currently mentoring 10 PhD students, 3 MS students, 3 Postdoctoral Researchers, 1 Research Scientist, 1 Student Intern, and 2 Undergraduate Researchers. He serves as an Associate Editor for Weed Science (WSSA) and Crop Science (CSSA) journals. Dr. Bagavathiannan was the recipient of the 2021 TAMU-Chancellor's EDGES Award; the 2021 SWSS Outstanding Young Scientist Award; the 2020 WSSA Outstanding Early Career Scientist Award; the 2019 Vice Chancellor's Outstanding Early Career Research Award, and the 2018 Dean's Outstanding Early Career Research Award from the College of Agriculture and Life Sciences, Texas A&M University.

2022 WSSA Awards

Outstanding Paper Award: Weed Technology - Sponsored by Cambridge University Press

Off-target pesticide movement: a review of our current understanding of drift due to inversions and secondary movement.

Bish M, Oseland E, Bradley K



Mandy Bish is an Extension Specialist at the University of Missouri. Over the last seven years, she has spent much of her efforts studying weather and environmental factors that contribute to the off-target movement of pesticides. A large portion of her research has focused on characterization of surface-level temperature inversions. Prior to joining the university, Mandy completed a postdoc within the USDA-ARS Foreign Disease and Weed Science Research Unit at Fort Detrick, Maryland. Mandy earned her Ph.D. in Cell Biology & Molecular Genetics at the University of Maryland. She obtained her Bachelor of Science in Plant Sciences at the University of Missouri. Currently, Mandy is chair of the Weed Science Society Awards Committee, a co-host

of the weekly War Against Weeds podcast, and the Integrated Pest Management Coordinator for the University of Missouri. She is a member of the Weed Science Society of America and the North Central Weed Science Society.



Eric Oseland completed his Ph.D. under Dr. Kevin Bradley at the University of Missouri in April 2021. Eric's research was focused on factors that influence off-target dicamba movement and volatility. Eric completed his B.S. in Crop, Soil, and Environmental Management at Southern Illinois University Carbondale. He now works for Bayer as a crop protection Technology Development Representative in Indiana and Kentucky. He is a member of the North Central Weed Science Society and the Weed Science Society of America.



Kevin Bradley is a Professor and State Extension Weed Scientist in the Division of Plant Sciences at the University of Missouri. Kevin's faculty appointment includes extension and research responsibilities in the area of applied weed management in corn, soybean, wheat, pastures, and forages. Since his arrival at the University of Missouri in 2003, most of Kevin's research and extension efforts have been focused on the development of integrated programs for the prevention and/or management of herbicide resistance in weeds, specifically waterhemp. He also teaches a graduate level class in herbicide mechanism of action and has served as major advisor to 25 graduate students. Kevin's publication record includes 83 refereed journal articles, over 200 abstracts, and 22 extension manuals or guides.

Kevin is a member of the Weed Science Society of America, the North Central Weed Science Society, and the American Society of Agronomy. He has served on numerous committees and leadership positions at the University and society levels, including the Board of Directors for both WSSA and NCWSS.

2022 WSSA Awards

Outstanding Reviewers Awards - Sponsored by WSSA

Lindsey Milbrath - Invasive Plant Science and Management



Lindsey Milbrath is a Research Entomologist with the U.S. Department of Agriculture – Agricultural Research Service in Ithaca, New York. He received his B.S. in biology from Iowa State University, an M.S. in entomology from Cornell University, and his Ph.D. in entomology from Kansas State University. From 2004-2020 he studied the ecology and management of invasive weeds in the Northeastern U.S., focusing on swallow-worts and knapweeds and with an emphasis on biological control. His collaborators included weed ecologists, plant pathologists, plant physiologists and overseas entomologists, and together they published on many aspects of invasive plant biology and control. Prior to that, he was a post-doctoral research associate with the USDA-ARS in Temple, TX working on a biological control program for invasive saltcedar shrubs, and earlier he provided technical support for over six years in the management of field crop pests (canola, crambe, corn, spring wheat, various legumes) at North Dakota State University. His research has recently shifted to the management of ambrosia beetles and apple decline in apple orchards.

Sarah Lancaster - Weed Technology



Sarah Lancaster began as an Assistant Professor and Extension Specialist in the Kansas State University Agronomy Department in November 2019. Sarah was raised on an integrated crop and livestock farm in east central Missouri and earned a BS in Plant Science from the University of Missouri. Sarah completed her graduate studies at North Carolina State University and Texas A&M University, then held teaching, research, and extension positions at Oklahoma State University, University of Florida, and Missouri State University prior to joining the faculty at Kansas State University. Sarah is responsible for Extension programming in agronomic crops in Kansas and leads a team that conducts research in corn, cotton, grain sorghum, soybean, sesame, and wheat.

Steve Li - Weed Science



Dr. Steve Li is the Extension weed science specialist and associate professor of Auburn University. He received his Bachelor of Agronomy degree from China Agricultural University, Master of Science in turf weed science from Auburn University, and Ph.D. degree in weed science from University of Georgia in 2014. Dr. Li started working for Alabama Cooperative Extension System (ACES) and Auburn University since February 2015 as Extension specialist and assistant professor in the Department of Crop, Soil and Environmental Sciences. He covered numerous areas in agriculture for ACES and Auburn University including row crops, specialty crops, pasture and hayfield, non-crop area, home ground, etc. His current research focuses on applied weed control in cotton-peanut rotation, dicamba and 2,4-D off-target

movement, and utilizing drones to implement precision scouting and spraying. Since hired by Auburn, Dr. Li's program has published 21 peer-reviewed papers and book chapters, conducted 50 conference presentations, generated over 80 Extension publications, timely updates and press articles, and spoken in 280 Extension events to promote latest weed control strategies. Dr. Li presents research-based weed control recommendations 40-60 times per year to approximately 2000 stakeholders from Alabama and neighbor states. His Extension impact on Alabama row crop production has exceeded \$16 million since 2017 based on in-person survey results. Dr. Li and his wife Callie reside in Auburn AL with their son Ray. They enjoy travel, playing tennis and exploring restaurants around the country.

2022 WSSA Awards

Fellow Member Award - Sponsored by WSSA

Dr. Patrick Tranel



Patrick Tranel was raised on a crop and livestock farm in northern Illinois. He received B.S., M.S., and Ph.D. degrees from Iowa State University, Washington State University, and Michigan State University, respectively. After a one-year post-doc with Monsanto, Pat joined the faculty of the University of Illinois in 1997, where he has remained since.

Pat's research program uses molecular and genomics tools to address weed science issues. His lab is internationally recognized for its numerous contributions that have increased our understanding of the evolution and underlying mechanisms of herbicide resistance. Pat collaborates extensively with more applied weed

scientist at the University of Illinois and elsewhere, fostering a research program that is timely and relevant to weed management practitioners. Pat actively engages his clientele regarding the practical implications of his research.

Pat has authored/coauthored 114 research papers, 20 review articles, and 8 book chapters. His research contributions were facilitated by 33 graduate students and postdocs, as well as by collaborations with numerous University of Illinois and WSSA colleagues.

In addition to his research contributions, Pat also has contributed significantly to formal training of future weed scientists and practitioners. Roughly 1000 undergraduate students have taken his introductory weed science course; several of these students have been inspired to pursue a career in weed science.

Pat currently serves on the editorial boards of three journals, including service as an Associate Editor of *Weed Science* since 2002. He is a Fellow of the North Central Weed Science Society. Pat currently holds the Ainsworth Professorship and is Associate Head of the Department of Crop Sciences at the University of Illinois.

2022 WSSA Awards

Fellow Member Awards - Sponsored by WSSA

Dr. David Monks



David Monks grew up on a small vegetable and agronomic crops farm in southern Tennessee. At an early age, he learned crop production practices and pest management including weed management from his dad who believed in the use of good production practices and utilization of research-based information through the Extension Service. He received his BS degree from Middle Tennessee State University and was a commercial farmer (1976-1979) prior to attending graduate school. He received his MS degree in 1981 under the direction of Dr. Wayne McLaurin and Dr. David Coffey from the University of Tennessee and a PhD in Agronomy (Weed Science) from the University of Arkansas in 1985 directed by Dr. Dick Oliver.

After graduate school, David was a faculty member responsible for weed management in soybean, wheat, ornamentals and vegetable crops at the University of Tennessee (1985-1989) prior to moving to NC State University. At NC State University, David had responsibilities in extension, research and teaching (first 22 years) with statewide responsibilities for weed control in vegetable and small fruit crops, the IR-4 Field Residue Program for North Carolina, teaching a graduate course in Weed Management in Crops (major agronomic and horticultural crops), and coaching (10 years) the NC State University Weed Team. In 2007, he was appointed Assistant Director (and later Associate Director) of Research for the College and continued working as a Professor of Horticultural Science in weed management research (vegetables, fruit crops, IR-4 field residue studies) and with graduate students.

David has been a research and extension leader in managing troublesome weeds in vegetables and fruit crops, and in developing new strategies for controlling difficult to control weeds in these crops. He has co-authored over 140 peer-reviewed publications, and advised, co-advised or served on committees for over 65 graduate students. He has been the NC IR-4 Field Research Center Director from 1994 to present. David has received numerous awards including the Outstanding Extension Educator Award from the American Society for Horticultural Science (ASHS), the Educator of the Year Award from the NC Vegetable Growers Association, the National Sweetpotato Research Impact Award from the National Sweetpotato Collaborators Group, the Distinguished Service Award from the Weed Science Society of NC, and the Southern Region Leadership and Administration Award from Southern Region ASHS. Students that he has advised (chair, co-advised, committee member) or coached have won over 70 awards. In addition, through the IR-4 Program (1989 to present), he has contributed research that has supported many new registrations for these crops.

David has served in various positions (elected, voluntary) in WSSA (chaired or member of various committees), SWSS (President, Secretary-Treasurer, CAST Representative and others), Weed Science Society of NC (President, Newsletter Editor and others), and other professional organizations. David believes in the Land Grant mission, thus enthusiastically loves conducting research, working with graduate students, and supporting and working with farmers and their families.

2022 WSSA Awards

Honorary Member Awards - Sponsored by WSSA

Dr. Ram Kanwar Malik



Winner of the 2015 Derek Tribe Award, Ram Kanwar Malik, is a senior agronomist with the International Maize and Wheat Improvement Center (CIMMYT). With over forty years in the agricultural sector, Dr. R.K. Malik has had a distinguished career, working extensively in the Indo-Gangetic plains and leading many initiatives and innovations over the years. He remains passionate and invested in changing the lives of farmers through better bet agronomy. Dr. Malik did his Ph.D. in Agronomy from Haryana Agricultural University (HAU), Hisar (India), and in 1977 joined his alma mater as

Assistant Professor. In 1991, he became Professor, Agronomy, HAU, Hisar. In the following years, he worked in various management positions, including Dean, Post Graduate Studies (PGS), Director Extension, Director Research, Technical Advisor to the Vice-Chancellor, and Coordinator, Agriculture Human Resource Management (AHRD).

His early engagement in agriculture sustainability led to initiatives exploring crop establishment techniques, sustainable crop rotations, and resource conservation technologies in 1993-94. Having a missionary approach, he moved forward in tackling herbicide resistance problems reported for the first time in India by his group in 1993 and has become a leader in Resource Conservation Technologies. His work on zero tillage technology has been appreciated by farmers, who enthusiastically accepted this technology in India. He has successfully implemented many projects associated with CIMMYT, IRRI, ACIAR, DFID, ICAR (NATP and NARP), and FAO.

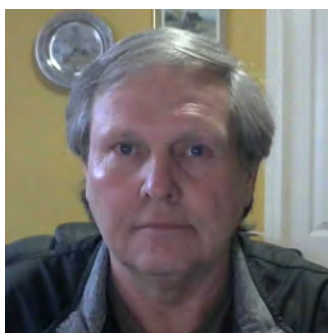
A mentor par excellence, Dr. Malik has helped establish young agronomists by developing their scientific capacity and commitment to sustainable agriculture in India. Fellow of the Indian Society of Weed Science and Indian Society of Agronomy, Dr. Malik, was recognized with the Best Teacher Award in HAU, including the Lifetime Achievement Award of the Indian Society of Weed Science (ISWS).

2022 CWSS Awards

Outstanding Industry Member - Sponsored by CWSS-SCM

Mitchell Long

Field Development Representative
FMC of Canada



Mitch received his BSc (Plant Science) and MSc (Agrometeorology) from the University of Manitoba in 1980 and 1984, respectively. Mitch has had a long and varied career in industry and academia. Mitch was a Product Development Representative with Hoechst Canada Inc. (1984-86), Sales and Regional Account Manager with Dupont (1986-2001), Faculty with Assiniboine Community College (2001-2007), Manager, Agronomic Services with Viterra (2007-2011) and Product Development Manager (Canada)/Field Development Representative with FMC (2011-present). Due to Mitch's diverse work experiences, he is well informed on almost all aspects of crop husbandry.

Outstanding Professional Staff - Sponsored by Canadian Science Publishing

Louis Molnar

Research Technician
Agriculture and Agri-Food Canada, Lethbridge Research and Development Centre



Louis Molnar was raised on an irrigated grain and livestock farm near Barnwell, Alberta. He attained his B.Sc. Biology at the University of Lethbridge in 1994. Shortly thereafter, he accepted a Weed Science technician position with Dr. Bob Blackshaw at the Agriculture and Agri-Food Canada (AAFC) Lethbridge Research and Development Centre. From 1994 to 2016, Louis managed numerous field and greenhouse experiments in Dr. Blackshaw's research program with the goals of developing more diverse cropping systems, devising new integrated approaches to weed management and furthering the adoption of conservation tillage. Louis has been working as the Senior Research Technician with Dr. Charles Geddes in the Weed Ecology and Cropping Systems research program at the Lethbridge

Research and Development Centre since 2016. Louis currently manages several field and greenhouse experiments which aim to characterize novel herbicide-resistant plants, mitigate and manage herbicide-resistant weeds, develop diverse integrated cropping systems, and understand the long-term effects of management on a groecosystem function. Over his 26+ year career working in weed science, Louis has co-authored 13 refereed scientific publications and trained over 120 university students in how to set up and implement field plot and greenhouse experiments and collect data accurately. Louis strives to help students develop an appreciation for agriculture which often extends beyond their work term with AAFC.

2022 CWSS Awards

Excellence in Weed Science - CWSS-SCM

Sponsored by Corteva Agriscience

Scott White

Assistant Professor of Weed Science and Vegetation Management
Dalhousie University, Faculty of Agriculture



Dr. White holds a B.Sc. in Environmental Sciences and a M.Sc. in Agriculture from the Nova Scotia Agricultural College and a Ph.D. in Plant Agriculture from the University of Guelph. He is currently a faculty member at Dalhousie University Faculty of Agriculture and holds the position of Assistant Professor in Weed Science and Vegetation Management. His current research program focuses on basic and applied aspects of weed science, with the ultimate goal of utilizing basic aspects of plant biology and ecology to improve weed management in wild blueberry production systems. Dr. White regularly contributes to grower meetings

field days, and twilight meetings for the agricultural industry in Atlantic Canada, and has been conducting research on weed management in wild blueberries for over 15 years. Dr. White has experience conducting weed management research with perennial weeds, developing predictive plant emergence and phenology models, propagating and conducting controlled experiments with perennial weeds, studying the flowering biology of plants, conducting ecological and demographic studies of weeds, utilizing weed population biology and ecology to develop weed management strategies, and evaluating chemical and non-chemical weed control strategies. He has supervised 8 senior undergraduate research projects, supervised or co-supervised 10 M.Sc. students, serves on several Ph.D. advisory committees, authored or co-authored >30 scientific papers, provided 14 interim and technical reports to industry partners and funding agencies, and has presented his work in 25 conference presentations and >30 grower meetings. In addition to research and extension activities Dr. White also teaches 4 courses on weed management and plant science and Dalhousie, serves on several administrative committees including the Nova Scotia Provincial Weed Control Advisory Committee, is an active member of the Atlantic Weed Science Network, and has served as an Associate Editor for the Canadian Journal of Plant Science since 2016.

2022 CWSS Awards

CWSS-SCM Student Scholarship Awards

1st Place Ph.D Graduate Student Scholarship

Patrick Hennessy **Dalhousie University**



Patrick Hennessy is currently in the second year of his Ph.D. in Agricultural Sciences program at Dalhousie Faculty of Agriculture, under the supervision of Dr. Travis Esau. After completing his Bachelor of Mechanical Engineering degree at Dalhousie, Patrick worked as a designer and project coordinator at Specialty Steel Inc. Since his early teens, Patrick has had a strong interest in computers and electronics. In 2018, he returned to Dalhousie to study the use of deep learning for use in the wild blueberry industry. His M.Sc. dissertation, Convolutional neural networks for real-time herbicide application in wild blueberry production,

examined novel deep learning methods for targeting and spot-spraying herbicide on *Festuca filiformis* Pourr. (hair fescue) and *Rumex acetosella* L. (sheep sorrel) in wild blueberry fields. Patrick's doctoral research expands upon his master's work through adding compatibility for more weeds such as *Hieracium* Spp. and *Solidago* Spp. (goldenrod), development of a new control system for spot targeting and spraying, and creation of a field-scouting smartphone app.

2nd Place Ph.D Graduate Student Scholarship

Craig MacEachern **Dalhousie University**



I am a third year PhD student in Agricultural Science at Dalhousie's Agricultural Campus. My thesis is primarily focused on the management of hair fescue (*Festuca filiformis*) in wild blueberry fields through the development of a machine vision-based spot applicator for granular herbicides. Throughout my PhD journey, I've loved interacting with wild blueberry producers and hearing their excitement for what my project will offer the industry. My hope is that I can provide growers with an alternative to classical herbicide application methods while affording them a greater sense of environmental and economic sustainability. Away from the lab, I coach the men's varsity soccer team at Dalhousie AC, serve as Part-Time Academic for Aquacultural Systems Technology and hold a seat as the graduate

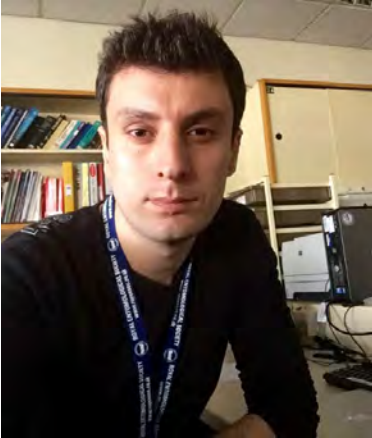
student representative on Dalhousie's Academic Quality Team. In my time at Dalhousie, I have been honored to receive two of the schools most prestigious scholarships, the Killam-D and the Graduate Research Training Initiative. These awards have afforded me the ability to pursue research in my area of interest and I'm thrilled that they've led me to weed sciences.

2022 CWSS Awards

3rd Place Ph.D Graduate Student Scholarship

Khaldoun Ali

The University of Saskatchewan



I moved to Canada and joined the Weed Science Program at the University of Saskatchewan as a doctoral student after many years of graduate studies in both the Middle East and Europe (UK). My overall expertise spans both insect and plant sciences and centers around Ecology and Evolution research. I took my first step into graduate research by joining the MRes Insect Taxonomy Program at Tishreen University in Syria after earning a degree in Plant Protection Sciences. I learned a lot from my taxonomy work, but I actually wanted my future career to be founded upon something much deeper than identifying insect species and reporting their bio-geographic ranges - I wanted to get involved in deep mechanistic multidisciplinary studies. Therefore, I decided to change

course and seek a career path in experimental sciences. Ecology was hence the best way to go, but not in the Middle East! Therefore, I moved to the UK and joined the MSc Entomology Program at Harper Adams University to obtain an advanced training in different fields of Insect Ecology. The advanced levels of training I manage to reach while I was at Harper Adams opened up multiple new horizons for me. It placed me among the favorable candidates for multiple PhD research positions offered around the world. Among those positions, the Seed Predation Project at USask captured my mind. It offered me an invaluable opportunity to conglomerate the different aspects.

1st Place M.Sc. Graduate Student Scholarship

William Kramer

University of Guelph



My name is William Kramer, I am a second-year Master of Science student at the University of Guelph working with Dr. Clarence Swanton. I grew up near Fairview, a small town in northern Alberta, on a fourth-generation cash-crop family farm. Here, I was introduced to the agricultural industry, and I gained first-hand experience with the complex issues facing today's producers. In 2018, I completed my Bachelor of Science degree in Agronomy with a minor in Horticulture at the University of Saskatchewan. During my undergraduate degree, I developed a passion for agricultural research which ultimately inspired me to move across the country to further my education. I hope to bring my

unique perspective using my academic and professional experience to provide novel solutions to problems that face our agricultural industry.

2022 CWSS Awards

2nd Place M.Sc. Graduate Student Scholarship

Meghan Dillot **University of Guelph**



Meghan Dilliott was born and raised in Ridgetown, Ontario Canada. She completed her B.Sc. in Biology and Psychology at Wilfrid Laurier University and conducted an undergraduate research project investigating seedling survival and seed size in the invasive plant *Cuscuta*. But it wasn't until spending four summers working as a field research assistant at the University of Guelph Ridgetown Campus that she realized her passion for weed science, research and agriculture. She is currently an M.Sc. candidate at the University of Guelph under the supervision of Dr. Peter Sikkema. She is studying how to improve the level and consistency of glyphosate-supervision of Dr. Peter Sikkema. She is studying how to improve the level and consistency of glyphosate-resistant Canada fleabane (*Erigeron canadensis* L.) control with herbicide tankmixtures applied preplant in soybean. Her favourite parts of her research consisted of spraying her trials, conducting visual control ratings in the field and working in the field with her fellow graduate students. When she is not on the Ridgetown Campus, you may find her running the WSSA graduate student social media, volunteering, taking care of her house plants or staying active.

3rd Place M.Sc. Graduate Student Scholarship

Andrew Laplante **University of Guelph**



Andrew Laplante is a MSc candidate of the Department of Plant Agriculture at the University of Guelph working with François Tardif as his primary advisor. His work involves examining factors that influence soybean tolerance to an experimental herbicide under development by Bayer Crop Science, with a focus on differential cultivar tolerance and the manipulation of cultural factors to manage early season injury.

2022 CWSS Awards

Presidential Meritorious Service Award **Sponsored by CWSS-SCM**

Gavin Graham

Weed Management Specialist & Provincial Minor Use Coordinator New
Brunswick Department of Agriculture, Aquaculture and Fisheries



Gavin Graham P.Ag. is the Weed Management Specialist and Provincial Minor Use Coordinator with the New Brunswick Department of Agriculture, Aquaculture and Fisheries. He grew up on a mixed farm near Lone Rock, Saskatchewan. He attended the University of Saskatchewan for his Bachelors and Masters in Plant Sciences. His Masters research was focused on weed bio-control, hosted by Agriculture and Agri-Food Canada. He was co-supervised by Dr. Gary Peng and Rick Holm and still appreciates how both have influenced his career. After completing his studies, he moved to New Brunswick in 2006 to begin his role with the Government of New Brunswick. He has an active weed research and

extension program for New Brunswick farmers, with a focus on wild blueberry production. He strives to help growers with practical and timely advice to help them manage their weed issues. He is an active member in both the New Brunswick Institute of Agrologists and the Canadian Weed Science Society. He enjoys his free time in Fredericton with his wife Luella and three children Lennox, Vesta and Wilton.

Canadian Journal of Plant Science Outstanding Weed Science Paper Award **Sponsored by Canadian Science Publishing**

"Herbicide Strategies for Managing Glyphosate-Resistant and -Susceptible Kochia (Bassia Scoparia) in Spring Wheat"
Authors: Alysha T. Torbiak, Robert E. Blackshaw, Randall N. Brandt, Bill Hamman, and Charles M. Geddes

Alysha Torbiak

Senior Research Manager & M.Sc. Student
Hamman AG Research Inc. & University of Alberta



Alysha Torbiak was born and raised in Lethbridge, Alberta. She graduated from the University of Lethbridge with an undergrad in Biological Sciences. She started working for Hamman AG Research Inc. in Lethbridge in 2005 as a researcher, and has advanced to senior research manager. She took some time off to have a little guy, and is currently completing her M.Sc. in Weed Science from the University of Alberta. Alysha has published three of her M.Sc. thesis chapters as peer-reviewed articles in the Canadian Journal of Plant Science.

Previous WSSA Award Winners

Outstanding Paper in Weed Science

1964 - R.N. Andersen A.J. Linck R.BehrensM. L. WeaverR .E. Nyland	1981 - D.T. Patterson E.P. Flint	1997 - M. Jasieniuk A.L. Brule-Babel I.N. Morrison
1966 - J.H. Ohman T.Kommedahl L.L. Jansen	1982 - P.H. Westra D.L. WyseE.F. Cook	1998 - F. Forcella R.P. King S.M. Swinton D.D. Buhler J.L. Gunsolus
1967 - L.L. McCormick A.E. Hiltbold	1983 - R.A. Evans D.A. Easi D.N. Book J.A. Young	1989 - P.J. McCall
1968 - R. Prasad C .L. FoyA.S. Crafts	1984 - E.P. Flint D.T. Patterson	1990 - D.A. Mortensen H.D. Coble
1969 - C.R. Swanson H.R. Swanson	1985 - E.E. Schweizer R.L. Zimdahl	1991 - W.H. Ahrens
1970 - J.B. Weber S.B. Weed T.M. Ward	1986 - M.R. Pareja D.W. Staniforth	1992 - J.M. Shribbs D.W. Lybecker E.E. Schweizer
1971 - L. Thompson, Jr. F.W. Slife H.S. Butler	1987 - R.N. Paul S.O. Duke W.H. Kenyon	1993 - J.S. Holt D.R. Orcutt
1972 - R.D. Gruenhagen D.E. Moreland	1988 - S.L. Sherrick H.A. Holt F.D. Hess	1994 - L.J. Wiles G.G. Wilkerson H.J. Gold H.D. Coble
1973 - J.L. Hilton M.N. Christiansen	1989 - P.J. McCall	1995 - D.A. Derksen A.G. Thomas G.P. Lafond H.A. Loeppky C.J. Swanton
1974 - J.T. Daniel G.E. Templeton R.J. Smith, Jr. W.T. Fox	1990 - D.A. Mortensen H.D. Coble	1996 - C.G. McWhorter R.N. Paul J.C. Ouzts
1975 - A.D. Worsham	1991 - W.H. Ahrens	1997 - M. Jasieniuk A.L. Brule-Babel I.N. Morrison
1976 - R. Parker M.C. Williams	1992 - J.M. Shribbs D.W. Lybecker E.E. Schweizer	1998 - F. Forcella R.P. King S .M. Swinton D.D. Buhler J.L. Gunsolus
1977 - J.M. Anderson C.G. McWhorter	1993 - J.S. Holt D.R. Orcutt	1999 - C.V. Eberlein M.J. Guttieri J.Steffen-Cambell
1978 - C.G. McWhorter	1994 - L.J. Wiles G.G. Wilkerson H.J. Gold H.D. Coble	
1979 - P.G. Bartels C.W. Watson	1995 - D.A. Derksen A.G. Thomas G.P. Lafond H.A. Loeppky C .J. Swanton	
1980 - P.E. Brewer C.J. Arntzen F.W. Slife	1996 - C.G. McWhorter R.N. Paul J.C. Ouzts	

Previous WSSA Award Winners

Outstanding Paper in Weed Science

2000 - M.J. Foes

L.Liu

P.J. Tranel

L.M. Wax

E.W. Stoller

2001 - J. S. Holt

A.B. Boose

2002 - L. Hall

K.Topinka

J.Huffman

L.Davis

A.Good

2003 - B.V. Ottis

A.M. Prazak-Harvey

C.A. Bormans

C.Sneller

J.M. Chandler

W.D. Park

2004 - M.A. Stanislaus

C.Cheng

2005 - A.N. Steinau

D.Z. Skinner

M.Steinau

2006 - I. Rajcan

K.J. Chandler

C.J. Swanton

2007 - J.T. Dauer

D.A. Mortensen

R.Humston

2008 - K.W. Davies

R.L. Sheley

2009 - D.P. Horvath

D.Llewellyn

S.Clay

2010 - S.S. Kaundun

I.Zelaya

R.P. Dale

A.J. Lycett

P.Carter

2010 - S.S. Kaundun

I.Zelaya

R.P. Dale

A.J. Lycett

P.Carter

K.Sharples

E.McIndoe

2011 - J. Storkey

S.Moss

J.Cussans

2012 - K. Thinglum

C.W. Riggins

A.S. Davis K.W.

Bradley K.Al-

Khatib P.J.

Tranel

2013 - J. Moriles

S.Hansen

D.Horvath

G.Reicks

K.M. Barlow

2014 - S.E. Wortman

A.S. Davis B.J.

Schutte J.L.

Lindquist

J.Cardina J.Felix

C.L. Sprague

J.A. Dille

A.Ramirez

G.Reicks

S.Clay

2015 - J.F. Egan

K.M. Barlow D.A.

Mortensen D.Clay

S.Clay

2016 - L.M. Schwartz

D.J. Gibson K.L.

Gage

J.L. Matthews

D.L. Jordan

M.D.K. Owen

D.R.Shaw S.C.

Weller

R.G.Wilson B.G.

Young

2017 - M. Dogramaci

G.G. Gramig J.V.

Anderson W.S.

Chao M.E Foley

2018 - G. Cundiff

T.C. Mueller

D.B. Reynolds

2019 - A. Kniss

2020 - J. Montgomery

A.Sadeque

D.Giacomini

P.Brown

P.Tranel

2021 -

Previous WSSA Award Winners

Outstanding Paper in Weed Technologies

1988 - S.O. Duke J. Lydon	2002 - C. Leger S.G. Hallett A.K. Watson	2010 - H.J. Beckie X. Reboud	2017 - M. Wiggins R.M. Hayes L. Steckel
1989 - R.J. Smith		2011 - R. A. Mischler W.S. Curran	2018 - M. Loux B. Young K. Bradley B. Johnson D.
1990 - R.J. Kremer N.R. Spencer	2003 - L.W. Lass D.C. Thill B. Shafii T.S. Prather		
1991 - B.D. Maxwell M.L. Roush S.R. Radosevich	2004 - H.J. Beckie K.J. Kirkland	2012 - S. Fogliatto F. Vidotto A. Ferrero	Spaunhorst
1992 - R.D. Cousens	2005 - W.W. Donald W.G. Johnson	2013 - G. Evans R. Bellinder R. Hahn	A. Dobbels L. Steckel M. Palhano J. Norsworthy
1993 - M. Sattain G. Zanin A. Berti	2006 - A.S. Sciumbato J.M Chandler S.A. Senseman R.W. Bovey K.L. Smith	2014 - R. Werle M.L. Bernards L.J. Giesler J.L. Lindquist	2019 - M. Walsh J. Broster S. Powles
1994 - G. Kapusta R. Krausz	2007 - S.B. Powles C. Preston	2015 - M.J. Walsh S.B. Powles	2020 - K. Lillie D. Giacomini D. Giacomini P. Tranel
1995 - T.M. Webster M.M. Loux E.E. Regnier S.K. Harrison	2008 - M.P. Blair S.M. Zedaker J.R. Seiler P.L. Hipkins P.L. Burch	2016 - L.L. Beck A. Patton Q. Law D.V. Weisenberger J.T. Brosnan J.J. Vargas Almodovar G.K. Breeden D.A. Kopsell	2021 -
1996 - I. A. Bello M.D.K. Owen H.M. Hatterman- Valenti	2009 - A. L g re F.C. Stevenson N. Ziadi		
1997 - F. Forcella K.R. Banken			
1998 - T.M. Wolf S.H. Liu B.C. Caldwell A.L Hsiao			
1999 - K.D. Morrison E.G. Reekie K.I.N. Jensen			
2000 - R.E. Blackshaw G. Semach X. Li T. O'Donovan K.N. Harker			
2001 - J. Zhang S. Weaver A. Hamill			

Previous WSSA Award Winners

Outstanding Paper in Invasive Plant and Science Management

2010 - S.M. Ward C.E. Fleischmann M.F. Turner S.E. Sing	2015 - J. Leary B.V. Mahnken L.J. Cox A. Radord J. Yanagida T. Penniman D.C. Duffy J. Gooding	2018 - D. Tekiela J. Barney
2011 - K.M. Goodwin R.E. Engel D.K. Weaver		2019 - M. Rinella J. Davey G. Kyser F. Mashiri S. Bellows J. James V. Peterson
2012 - C.S. Jarnevich T.R. Holcombe D.T. Barnett T.J. Stohlgren J.T. Kartesz	2016 - J.M. Shields M.A. Jenkins M.R. Saunders K.D. Gibson P.A. Zollner J.B. Dunning, Jr.	2020 - J. Leary B. Mahnken C. Wada K. Burnett
2013 - A. Herrera-Reddy R. Carruthers N. Mills	2017 - A. Boswell S.E. Sing S. Ward	2021 - A. Lazaro-Lobo S. Ward
2014 - J. Gaskin M. Schwarzwander H. Hinz L. Williams III E. Gerber B. Rector D. Zhang		

Outstanding Teacher Award

1971 - A.P. Appleby	1984 - A.D. Worsham	1997 - D. Penner	2010 - No Award
1972 - P.W. Santelmann	1985 - M.D. McGlamery	1998 - R.E. Talbert	2011 - S. Glenn
1973 - F.W. Silfe	1986 - L.R. Oliver	1999 - D.R. Shaw	2012 - G. MacDonald
1974 - N.D. Nalewaja	1987 - R.D. Ilnicki	2000 - J.L. Griffin	2013 - W. K. Vencill
1975 - W.F. Meggitt	1988 - R.L. Zimdahl	2001 - K.K. Hatzios	2014 - P. Dotray
1976 - E.G. Rodgers	1989 - C.G. Messersmith	2002 - D.A. Mortensen	2015 - K. Howatt
1977 - G.F. Warren	1990 - H.D. Coble	2003 - G.R. Stephenson	2016 - A. Shrestha
1978 - D.E. Davis	1991 - D.L. Wyse	2004 - B. Maxwell	2017 - No Award
1979 - D.E. Bayer	1992 - M.A. Ross	2005 - K. Harrison	2018 - J.A. Dille
1980 - R.E. Frans	1993 - P.B. Cavers	2006 - J. Wilcut	2019 - A.K. Renner
1981 - M.G. Merkle	1994 - W.W. Witt	2007 - M. Chandler	2020 - B. Runom
1982 - L.S. Jordan	1995 - W.H. Vanden Born	2008 - A. DiTommaso	2021 - K. Jennings
1983 - T.J. Monaco	1996 - J.B. Weber	2009 - No Award	

Previous WSSA Award Winners

Outstanding Extension Award

1972 - E.L. Knake	1985 - R.A. Fawcett	1998 - P. Westra	2011 - E. Prostko
1973 - E.P. Sylvester	1986 - C.W. Swann	1999 - S.A. Dewey	2012 - A.S. Culpepper
1974 - H.A. Friesen	1987 - L.K. Binning	2000 - T.R. Murphy	2013 - W.S. Curran
1975 - L.E. Anderson	1988 - W.M. Lewis	2001 - R.K. Zollinger	2014 - R.R. Hahn
1976 - H.P. Alley	1989 - A.G. Dexter	2002 - J.W. Boyd	2015 - L. Steckel
1977 - M.D. McGlamery	1990 - C.L. Elmore	2003 - R.G. Hartzler	2016 - S. Askew
1978 - L.W. Mitich	1991 - D.N. Weaver	2004 - G. N. Rhodes Jr.	2017 - M.J. VanGessel
1979 - G.R. Miller	1992 - M.D.K Owen	2005 - D. Peterson	2018 - C.L. Sprague
1980 - J.V. Parochetti	1993 - L.C. Burrill	2006 - R. Wilson	2019 - S.F. Enlow
1981 - J. Miller	1994 - E.C. Murdock	2007 - T.F. Peeper	2020 - J. Byrd
1982 - L. Thompson, Jr.	1995 - W.M. Stall	2008 - J.M. DiTomaso	2021 - J.M. Mangold
1983 - R.E. Doersch	1996 - A.R. Martin	2009 - C. Boerboom	
1984 - F.L. Baldwin	1997 - A.C. York	2010 - W.G. Johnson	

Outstanding Research Award

1973 - D.E. Moreland	1985 - C.L. Foy	1997 - D.C. Thill	2009 - R. Charudattan
1974 - D.E. Davis	1986 - F.W. Slife	1998 - J.C. Hall	2010 - J.S. Holt
1975 - P.C. Kearney	1987 - D. Penner	1999 - R.E. Hoagland	2011 - D.A. Mortensen
1976 - J.L. Hilton	1988 - R.H. Shimabukuro	2000 - F. Forcella	2012 - P. Bhowmik
1977 - C.G. McWhorter	1989 - L.M. Wax	2001 - M. Barrett	2013 - D. L. Shaner
1978 - E.W. Hauser	1990 - S.O. Duke	2002 - C.J. Swanton	2014 - K.N. Harker
1979 - O.C. Burnside	1991 - S.R. Radosevich	2003 - D. Shaw	2015 - F. Dayan
1980 - A.F. Wiese	1992 - E.E. Schweizer	2004 - J.T. O'Donovan	2016 - C. Mallory-Smith
1981 - J.B. Weber	1993 - J.D. Nalewaja	2005 - K. Vaughn	2017 - J. DiTomaso
1982 - R.J. Smith, Jr.	1994 - K.K. Hatzios	2006 - R.E. Blackshaw	2018 - J. Norsworthy
1983 - A.P. Appleby	1995 - J.A. Young	2007 - J.L. Griffin	2019 - B. Maxwell
1984 - F.M. Ashton	1996 - E.W. Stoller	2008 - K.N. Reddy	2020 - P.J. Tranel
	2021 - M. Jugulam		

Previous WSSA Award Winners

Outstanding Industry Award

1989 - R.A. Gray	2001 - J.M. Green	2013 - S.R. Gylling
1990 - G.E. Barrier	2002 - E.J. Retzinger, Jr.	2014 - C. Somody
1991 - T.D. Taylor	2003 - R. Ratliff	2015 - D. Drost
1992 - J.D. Rigglesman	2004 - P. Banks	2016 - R. Gast
1993 - D.L. Shaner	2005 - S. Rick	2017 - A. Cotie
1994 - W.D. Carpenter	2006 - J.J. Jachetta	2018 - M. Peterson
1995 - T.J. Holt	2007 - D. Maurice	2019 - R. Jain
1996 - E.A. Woolson	2008 - V.F. Peterson	2020 - T. R. Wright
1997 - M.N. Baig	2009 - N. Jackson	2021 - P.J. Porpiglia
1998 - J.L. Barrentine	2010 - J.E. McFarland	
1999 - J.R. Bone	2011 - R.A. Forney	
2000 - No award	2012 - No award	

Outstanding Graduate Student Award

1975 - F.D. Hess	1985 - D.R. Shaw	1996 - J.L. Lindquist	2009 - T. Gaines
1976 - D.H. Teem	1986 - J. McFarland	1997 - D.E. Riechers	2010 - V. Davis
1977 - B.G. Todd	- R. Liebl	1998 - T.R. Wright	2011 - M. Ryan
1978 - D.N. Duncan	1987 - C.E. Snipes	1999 - J.A. Dieleman	2012 - S. Wortman
1979 - P.F. Boldt	1988 - D.C. Bridges	2000 - A.S. Culpepper	2013 - A. Post
- J.E. Street	- M.L. Roush	2001 - J. Norsworthy	2014 - E. Haramoto
1980 - J.K. Soteres	1989 - B.D. Maxwell	2002 - S. Askew	2015 - S. Berger
1981 - P. Westra	1990 - J.L. Flint	2003 - W.A. Pline	2016 - R. Werle
- E.S. Hagood, Jr.	1991 - R.H. White	2004 - I.C. Burke	2017 - M. Jeffries
1982 - M.W. Bugg	1992 - L.D. Boldt	2005 - W. Patzoldt	2018 - C. Meyer
1983 - D. McAuliffe	1993 - S.E. Hart	2006 - T.J. Koschnick	2019 - T.R. Butts
- L.S. Quackenbush	1994 - G.E. MacDonald	2007 - W. Thomas	2020 - H. Takano
1984 - D.D. Buhler	1995 - T.E. Klingaman	2008 - J. Barney	2021 - A. Maity
- H.J. Strek			

Previous WSSA Award Winners

Annual Meeting Graduate Student Grants

2009 - B. Pandey	E. Burns	H.W. Kim	2019 - B. Alexander
J. Moriles	F. Turner	D. Sarangi	J. Gizotti de Moraes
B. Martins L.	R.L. Butler	S. Rana	V. Yurchak
L. Christ	S. Li	2016 - J.V. Fernandez	C. Sias
A. Cho	2013 - R. Pedroso	A. Howell	J. Schramski
2010 - L. Bast	M. Elmore	N. Soni-Castillo	M. Brooke
J. Hill	K. Jungune	S. McGowen	2020 - G.L. Priess
M. Pearce	T. Burke	E. Reasor	S. Striegel
K. Polacik	C. Rouse	A. Bajwa	J.A. Cubins
T. Skurski	S. Birthisel	M. Bertucci	P. Agarwal
E. Waring	2014 - K. Belmont	V. Bhaskar	B. Gairhe
2011 - R. Holmes	D. Palik	L. Murray	E. Law
P. Quackenbush	M. Ashworth	K. Segobye	
M. Nicolai	A. Mckenzie-Gopsill	S. Shrestha	
J. Mann	A. Wright	2018 - C.A. Brunharo	
E. Haramoto	S. Rios	F. Browne	
2012 - A. Lindsey	2015 - Z. Beres	J. Boe	
A. Knight	S. Betha	R. Yadav	

Outstanding Student Endowment Award

1989 - J.D. Moore
1990 - K. Diehl
1991 - M.K. LeJune
D.E. Riechers
1992 - C. Mikloiche
T.R. Wright
1993 - G.L. McMurray
W.H. Morris

Previous WSSA Award Winners

Outstanding Early Career Weed Scientist Award

1982 - R.G. Harvey	1996 - D.R. Shaw	2009 - C.L. Sprague
1983 - S.R. Radosevich	1997 - D. Buhler	2010 - J. Norsworthy
1984 - S.O. Duke	1998 - D.C. Bridges	2011 - A. Davis
1985 - F.D. Hess	1999 - A.R. Boanno	2012 - S. Askew
1986 - K.K. Hatzios	L.B. McCarty	2013 - S. McElroy
1987 - D.L. Wyse	2000 - T.C. Mueller	2014 - B.D. Hansor
1988 - P.A. Banks	2001 - I. Singh	2015 - I. Burke
1989 - A.K. Watson	2002 - S.A. Senseman	2016 - J. Barney
1990 - D.C. Thill	2003 - D.L. Jordan	2017 - A. Jhala
1991 - K.C. Vaughn	2004 - P. Dotray	2018 - P. Jha
1992 - M. Marrett	2005 - E. Webster	2019 - T. Gaines
1993 - M.D. Devine	2006 - F.E. Dayan	2020 - M. Bagavathiannan
1994 - J.W. Wilcut	2007 - P. Tranel	2021 - C. Wu
1995 - R.E. Blackshaw	2008 - N.R. Burqos	

Outstanding Reviewer Award

2006 - C.L. Main	2011 - J. Norsworthy	2016 - T. Mueller
J. Ferrell	S.O. Duke	K. Renner
2007 - A. Dexter	S.S. Seefeldt	2017 - A. Chandi
D. Shaw	2012 - R.E. Blackshaw	A Ayeni
2008 - V.K. Nandula	D. Shaner	2018 - A. Jhala
W.K. Vencill	2013 - R. Leon	N. Korres
2009 - J. Felix	A. Shrestha	2019 - T. Tseng
J.F. Gaskin	2014 - P. Jha	C. Dalley
2010 - J. Yenish	D. Shaner	2020 - V. Kumar
W. Everman	2015 - M. Bagavathiannan	L. Schwartz-Lazaro
	R.D. Sammons	C. Huebner
	2021 - S. Ward	
	C. Cahoon	

Previous WSSA Award Winners

WSSA Original Honorary Members

1964 - A.S. Craft	1967 - W.S. Ball
K.P. Buchholtz	W.B. Ennis, Jr.
F.L. Timmons	1968 - G.F. Warren
C.J. Willard	1969 - E.P. Sylwester
1966 - R.H. Beatty	

WSSA Founder Award

1974 - R.H. Beatty

WSSA Public Service Award

2015 – D.R. Shaw
2016 – J. Schroeder
2017 – M. Barrett
2018 – P. Stahlman
2019 – D. Shilling
2020 – S. Koehler
2021 - D.E. Ervin

Previous WSSA Award Winners

WSSA Fellows

1970 - W.C. Shaw	C.L. Switzer	C.J. Scifres	R. Norris
F.W. Slife	R.B. Taylorson	B. Truelove	H.D. Skipper
1971 - W.A. Harvey	1983 - R.N. Anderson	J.A. Young	D.C. Thill
L.G. Holm	W.D. Carpenter	1992 - R.J. Aldrich	D. Wauchope
D.D. Hemphill J	.E. Gallagher	C.C. Dowler	2000 - L.K. Binning
1972 - B.E. Day	D.L. Linscott	S.O. Duke	N.D. Camper
W.H. Minshall	L.W. Mitich	C.G. Messersmith	R. Charudattan
1973 - E.K. Alban	1984 - G.A. Buchanan	A.G. Ogg, Jr.	J.S. Holt
W.R. Furtick	W.A. Gentner	J.V. Parochetti	D.L. Shaner
R. Behrens	M.M. Schreiber	1993 - R.E. Doersch	G.A. Wicks
G.C. Klingman	R.L. Zimdahl	C.L. Elmore	2001 - C.E. Beste
1974 - D.L. Klingman	1985 - S.R. McLane	R.E. Eplee	R.R. Hahn
R.D. Sweet	J.F. Miller	J.O. Evans	A. Legere
P.W. Santelmann	W.J. Saidak	L.R. Oliver	A. Martin
L.L. Danielson	E.E. Schweizer	D. Penner	R.D. Williams
1975 - D.E. Davis	R.J. Smith, Jr.	W.V. Welker	G. Wills
J.R. Hay	J.B. Weber	1994 - J.R. Abernathy	2002 - R.E. Blackshaw
E.G. Rodgers	1986 - L.C. Burrill	J.R. Baker	J.M. Chandler
R.P. Upchurch	R.D. Comes	J.F. Ellis	J. Doll
1976 - A.P. Appleby	R.A. Evans	R.E. Hoagland	J.C. Hall
R.D. Ilnicki	R.H. Schieferstein	G. Kapusta	D. Shaw
D.E. Moreland	1987 - F.M. Ashton	W.A. Skroch	S.C. Weller
1977 - E.L. Knake	J.W. Herron	1995 - E.F. Eastin	2003 - S.A. Dewey
C.G. McWhorter	G.R. Miller	A.S. Hamill	R.M. Hayes
H.S. Friesen	M.G. Merkle	K.K. Hatzios	R. Nishmoto
L. Southwick	J.D. Nalewaja	H.D. Tripple	A. Watson
1978 - O.H. Fletchall	W.H. Vanden Born	H.J. von Amsberg	T. Whitson
J.L. Hilton	1988 - D.E. Bayer	H.P. Wilson	J.W. Wilcut
H.M. LeBaron	G.H. Friesen	1996 - F.L. Baldwin	2004 - B.J. Brecke
D.W. Staniforth	M.C. McGlamery	W.L. Barrentine	J.L. Griffin
1979 - H.P. Alley	J.A. Meade	P.C. Bhowmik	A.E. Miller
R.E. Frans	A.R. Putnam	J.C. Graham	M.K. Upadhyaya

Previous WSSA Award Winners

WSSA Fellows

K.C. Hamilton	J.D. Riggleman	F.D. Hess	2005 - D.D. Buhler
T.J. Sheets	1989 - O.C. Burnside	A.E. Smith	J. McFarland
A.F. Wiese	W.R. Mullison	1997 - H.D. Coble	M.D.K. Owen
1980 - J.D. Bandeen	E.C. Spurrier	R.G. Harvey	C.J. Swanton
S.N. Fertig	G.R. Stephenson	R. Prasad	2006 - M.E. Foley
C.L. Foy	L.M. Wax	R.L. Rogers	J.J. Kells
L.S. Jordan	A.D. Worsham	M. Singh	R.G. Lym
R.A. Peters	1990 - S.W. Bingham	W. W. Witt	A.C. York
1981 - J.F. Ahrens	R.W. Bovey	1998 - J.L. Barrentine	2007 - K.N. Harker
L.H. Hannah	T.J. Monaco	M.D. Devine	R.J. Kremer
W.F. Meggitt	E.W. Stoller	A.G. Dexter	B.A. Majek
R.R. Romanowski	E.W. Stroube	C.V. Eberlein	K. Vaughn
C.R. Swanson	R.E. Talbert	S.D. Miller	2008 - M.A. Locke
1982 - J. Antognini	1991 - R.M. Devlin	P.S. Zorner	R. Wilson
G.H. Bayer	T.L. Lavy	1999 - I. Morrison	C. Mallory-Smith
J.H. Dawson	D.A. Mortensen	2014 - J. V. Anderson	2018 - H. Beckie
2009 - K. Renner	K. Al-Khatib	T.C. Mueller	J. Norsworthy
M. Barrett	2012 - J. Derr	P.H. Sikkema	2019 - A. Davis
A.R. Bonanno	J.J. Jachetta	2015 - R.D. Sammons	D. Peterson
2010 - J. Schroeder	P. Stahlman	W.C. Johnson, III	2020 - D. Reynolds
J.A. Dusky	2013 - P. Banks	2016 - D. Shilling	B. Young
K. Reddy	D.S. Murray	W.K. Vencill	2021 - S. Senseman
M. Newton	F. Forcella	2017 - N. Roma-Burgos	D.L. Jordan
2011 - J.M. DiTomaso	J.M. Green	R. Zollinæ	

Previous WSSA Award Winners

Honorary Members

1974 - Hans Gysin	1988 - Werner Koch	2000 - Allan Walker	2012 - C. Baskin
1975 - A. John Speziale	1989 - Tetsuotakema Tsu	2001 - Baruch Rubin	J. Baskin
1976 - Keith C. Barrons	1990 - Agustin Mitidieri	2002 - Karl Hurle	2013 - No Award
1978 - John D. Fryer	1991 - Okezie Akobundu	2003 - Helmut Walter	2014 - P. Kudsk
1979 - Menashe Horowitz	1992 - Jonathan Gressel	2004 - Aldo Alves	2015 - S. Singh
1980 - Virgil H. Freed	1993 - Hwan Seung Ryang	2005 - Aurora Baltazar	2016 - J.L. Gonzalez- Andujar
1981 - Les J. Mathews	1994 - Peter Böger	2006 - Robinson A. Pitelli	2017 - No award
1982 - Gideon D. Hill, Jr.	1995 - Keith Moody	2007 - Bernal E. Valverde	2018 - R. De Prado
1983 - Shooichi Matsunaka	1996 - Su Shao Quan	2008 - R. Labrada Romero	2019 - P. Christoffoleti
1985 - Abed R. Saghir	1997 - Stephen B. Powles	2009 - H. Matsumoto	2020 - No Award
1986 - Beatriz L. Mercado	1998 - Jens C. Streibig	2010 - No Award	2021 - B.S. Chauhan
1987 - Yang-han Li	1999 - Jost Harr	2011 - R. Cousens	

Outstanding Publication in Weeds Today

1982 - L. Holm
1983 - L.G. Bethards
1984 - J.D. Banting
1985 - A.R. Putnam
1986 - N.P. Chow

Outstanding Student Essay Award

1986 - M.E. Lind
1987 - P.D.G. Dyck
1988 - no contest
1989 - S. Howatt
1990 - D.K. Robinson
1991 - D. Franzenburg
1992 - D.J. Kelner

Previous WSSA Award Winners

Undergraduate Research Award

1992 - J. Picketts B. Thorpe	2002 - B. Dixon P. Buck	A. Ryan D. Triebwasser	G. Gundy J. Bramhall
1993 - G. Chammas J. Sweat	S. Schoesk H. Shriner	2009 - B. Pandey J. Moriles	N. Steppig R. Han
1994 - B.A. Galloway R. Lunsford J. Murthy W.B. White	M. Naveed V. Davis L. Bewick	B. Martins L. Christ A. Cho	S. Parry W. Kim
1995 - E. Miller S. White S. Steed T. Bradford	2003 - K. Branum K. R. Dawson R. Kennedy E. La Malfa R. Lynch M. Stanford B. Webster	M. Nicolai Melanie Ho	2016 - S. Engelken P. Hedges O. Todd O. Obenland M. Joline M. Strelau K. Lillie K. Taylor A. Griffith C. Dau
1996 - J. Baumgartner W. Pline C. Flore A. Solie	2004 - J. Flagg C. Curran T. Gaines	2010 - J. Scott A. Asebedo A. Grothaus A. Wing	
1997 - L. Fandrich T. Frey M. Furlong I. King G. Penny	2005 - H. Spalholz M. Pinch D.R. Drost V. Lee	2011 - J. Miskella K.L. Caudle K.B. Kosog J. Bricker A. Saffer J. Schindler K. Kappeler D. Reif R. Dougherty L. Kelly	2017 - H. Bateman R. Engel A. Friesen A. Haddad R. Padilla K. Posey T. Randell
1998 - S.J. Gray L. Milliman G. Horsman A.S. Franssen J.J. Reilly J. Nguyen A. Anchieta	M. Lockhard K. Cockburn A. Haji	2012 - T. Ortiz M. Angell D. Brachtenbach R. Brenner R. Mejorado K. Caudle Matthew Ho	K. Varnon D.A. Wolter
1999 - B. Birch H. Chaffey J. Choy J. Groeteke N. Klenk M. Kuchuran C. Sykes	2006 - D. Heggenstalled K. Campbell M.L. Blanchard A. Hecker M.F. Rollins J. Vassios Z. Isaacson		2018 - D. Came G.A. Caputo A. Constine J. Fisher M. Pitney D. Taylor S. Claire R. Watson
2000 - K.E. Bolton D. Coggon M. J. Donovan D. Krebs C. Schuster	2007 - C. Thompson L. Rehak S. Tarolli J. Walter C. Fleischmann S. Rousonelos L.M. Kuehl R.L. Roten	2013 - E. Mayes K. Rimol A. Gardner D. Simmons L. Rios D. Rossman J. Baniszewski K. Caudle T. Donohoe T. Newell	2019 - A. Tucker D. McCormick A. Butler-Jones E. Eul K. Wills M. Stevens S. Kelly
	2008 - T. Brummer		

Previous WSSA Award Winners

Undergraduate Research Award

W. Thomas	G. J. Miles	2014 - R. Warnock	D. Decker
B. Trader	R. M. Thomas	C. Prince	B. Fehr
2001 - A.E. Guza	A. J. Paik	B. Janney	J. Adam
W. Barker	C. Lange	M. Morris	2020 - E. Kubinski
J. Siira	V. A. Johnson	H. Tomlinson	L. Miller
T.L. Brenly	L. Daconti	2015 - A. Thornton	S. Robbins
M. MacDonald	A. Zwainz	C. Noffsinger	A. Nuss
D. Solie	2010 -R. Marks	C. Hicks	B.D. Pritchard
R. Labbe	A. Weiler	D. Farnsworth	K. Brafford
			V. Oeggerli
			G. Celaya
			K. Mestayer

Previous CWSS-SCM Award Winners

Canadian Journal of Plant Science Outstanding Weed Science Paper Award

2017 - N.R. Burton
H.J. Beckie
C.J. Willenborg
S.J. Shirtliffe
J.J. Schoenau
Johnson, E.N.

2018 - M.-J. Simard
M. Laforest
B. Soufiane
D.L. Benoit
F.J. Tardif
C.J. Willenborg

2019 - E.G. Smith
K.N. Harker
J.T. O'Donovan
T.K. Turkington
R.E. Blackshaw
N.Z. Lupwayi
E.N. Johnson
D. Pageau
S.J. Shirtliffe
R.H. Gulden
L.M. Hall

2020 - E.R. Page
S. Meloche
B. McMurry
M. Laforest

CWSS-SCM Outstanding Professional Staff Award

2017 - Gerald Stuber
2018 - Peter Smith
2019 - Christy Shropshire
2020 - Brian Caldwell

CWSS-SCM Excellence in Weed Science Award

1986 - R. Ashford (West)
1987 - William Vanden Born (West)
1988 - Paul Chow (West)
1989 - George Friesen (West)
1990 - Ian Morrison (West)
Jack Alex (East)
1991 - Lloyd Darwent (West)
1992 - Jerry Ivany (East)
Ken Kirkland (West)
1993 - R. Grover (East)
1994 - John O'Donovan (West)
Gerald Stephenson (East)
1995 - Frederick Holm (West)
1997 - Clarence Swanton

1998 - Gordon Thomas
1999 - Robert Blackshaw
2000 - Neil Harker
2001 - James Moyer
2003 - Rene Van Acker
2004 - Mahesh Upadhyaya
2005 - Hugh Beckie
2006 - Peter Sikkema
2007 - Suzanne Warwick
2008 - Anne Légère
2009 - Linda Hall
2010 - Eric Johnson
2011 - Diane Lyse Benoit

2012 - Nader Soltani
2013 - Darren Robinson
2014 - David Clements
2015 - Stephen Darbyshire
2016 - Rob Gulden
2017 - Steven Shirtliffe
2018 - Rob Nurse
2020 - François Tardif

Previous CWSS-SCM Award Winners

Excellence in Weed Extension

Sponsored by Valent Canada

2009 - Mike Cowbrough

2013 - Ken Sapsford

2014 - Tom Wolf

2015 - Danielle Bernier

2016 - Peter Sikkema

2018 - Kristen Obeid

2019 - David Ralph

2020 - Angela Gourd

CWSS-SCM Outstanding Industry Member Award

2000 - William Hamman, Monsanto

2001 - Denise Maurice, Westco

2002 - Bryan Bowden, Bayer CropScience

2003 - Bill McGregor, Dow Agrosciences

2005 - Luc Bourgeois, Bayer CropScience

2008 - Lyle Drew, BASF Canada

2008 - Don Hare, Dow Agrosciences

2010 - Bill Summers, E.I. DuPont

2011 - Brian Legassicke, Monsanto

2015 - Mark Lawton, Monsanto

2016 - Al McFadden, Dow Agrosciences

2017 - Allan Kaastra, Bayer CropScience

2018 - Rory Degenhardt, Corteva Agriscience

2019 - Jamshid Ashigh, Corteva Agriscience

2020 - Adam Pfeffer, Bayer CropScience

CWSS-SCM Presidential Meritorious Service Award

2008 - Daniel Cloutier

2010 - Frederick Holm

2015 - Ken Sapsford

2016 - Rory Degenhardt

2017 - Michael Downs

2018 - Stephen Darbyshire

2019 - Wendy Asbil

2020 - Frances Boddy

Previous CWSS-SCM Awards

CWSS-SCM Fellows

2007 - Paul Cavers	2011 - Anne Légère
Allan Hamill	2012 - Peter Sikkema
Susan Weaver	Robert Blackshaw
Jerry Ivany	2013 - K. Neil Harker
2008 - Gerald Stephenson	2014 - Diane Benoit
Gordon Thomas	2016 - Eric Johnson
Frederick Holm	2017 - Hugh Beckie
Mahesh Upadhyaya	2018 - Linda Hall
Clarence Swanton	2019 - Tom Wolf
2009 - John O'Donovan	
2010 - Suzanne Warwick	

Bayer CropScience Best Student Presentation Award Winners

1998 - Mike Cowbrough	2014 - 1st: Breanne Tidemann	2020 - 1st: Stéphanie Lavergne
2000 - Michelle du Croix-Sissons	2nd: Andrea De Roo	2nd: Nicole Berardi
2001 - Robert Gulden	3rd: Katherine Stanley	3rd: Amanda Fedorchuk
2002 - Theresa Brimmer	2015 - 1st: Breanne Tidemann	
2004 - Leanne Wilson	2nd: Charles Geddes	
2005 - Jamshid Ashigh	2016 - 1st: Charles Geddes	
2006 - Marie-Edith Cuerrier	2nd: Jordan Eyamie	
2007 - Chris Willenborg	3rd: Mike Schryver	
2008 - Jody Dexter	2017 - 1st: Brendan Metzger	
2009 - Rolland Mensah	2nd: Lauren Benoit	
2010 - Cynthia Silva	3rd: Elizabeth Buck	
2011 - Scott White	2018 - 1st: Lauren Benoit	
2012 - 1st: Taylor Jeffrey	2nd: Nicole Berardi	
2nd: Colleen Redlick	3rd: Brendan Metzger	
3rd: Andrew Reid	2019 - 1st: Ted Vanhie	
2013 - 1st: Charles Geddes	2nd: Jessica Quinn	
2nd: Colleen Redlick	3rd: Nicole Berardi	
3rd: Jessica Gal		

Previous CWSS-SCM Awards

BASF Best Poster Award

2007 - Julia Leeson and Gordon Thomas	2015 - 1st: Robert Blackshaw
2008 - Marie-Josée Simard	2nd: Robert Gulden
2009 - Dan Ulrich	3rd: Martin Laforest
2010 - 1st: Robert Blackshaw	2016 - 1st: Martin Laforest et al.
2nd: Hugh Beckie	2nd: Julia Leeson et al.
3rd: Hugh Beckie	3rd: Mackenzie Lesperance et al.
2011 - 1st: Robert Blackshaw	2017 - 1st: Hema Duddu et al.
2nd: François Tardif	2nd: Charles Geddes et al.
3rd: Pam Livingstone	3rd: Lysandra Pyle et al.
2012 - 1st: Sara Martin	2018 - 1st: Brent Murphy et al.
2nd: Marie-Josée Simard	2nd: Julia Leeson
3rd: Derek Lewis and Robert Gulden	3rd: Theodore Vanhie et al.
2013 - 1st: Li Ma and Mahesh Upadhyaya	2019 - 1st: Charles Geddes et al.
2nd: Marie-Josée Simard	2nd: Julia Leeson et al.
3rd: Robert Blackshaw	3rd: Charles Geddes et al.
2014 - 1st: Stephen Darbyshire	2020 - 1st: Charles Geddes and Michael Kimmins
2nd: Rob Nurse	2nd: Sandra Flores-Mejia, Annie Marcoux, and David Miville
3rd: Sara Martin	3rd: Julia Mata, Sara Martin, and Tyler Smith

Bayer CropScience Graduate Student Scholarship

*Formerly Monsanto Student Award prior to 2018

1976 - William Deen (Ph.D.)	1986 - Daryl Nolan	1998 - Jane Sadler Richards (Ph.D.)
1977 - Robert Blackshaw	1987 - Douglas Wilcox	2000 - Laura Van Erd (M.Sc.)
1978 - Joan Amundsen	1988 - Kenneth Nickle	Kris McNaughton
1979 - Carol Bubar	1989 - Iris Bitterlich	2001 - Robert Gulden (Ph.D.)
1980 - Marion Yas	1990 - Linda Hall	Orla Nazarko (M.Sc.)
1981 - Leonie Nadeau	1991 - Jim Downey	2002 - Anthony Szumigalski (Ph.D.)
1982 - Hank Bestman	1992 - Bruce Murray	Cheryl Corbett (M.Sc.)
1983 - Georgina Barbara Shaw	1993 - Lana Smith	2003 - Nancy Furness (Ph.D.)
1984 - Tom Warkentin	1994 - Luc Bourgeois (Ph.D.)	Melissa Wheeler (M.Sc.)
1985 - Robert Hornford	1996 - Steven Shirlcliffe (Ph.D.)	

Previous CWSS-SCM Award Winners

Bayer CropScience Graduate Student Scholarship

2004 - Kris Mahoney (Ph.D.) Arvel Lawson (M.Sc.)	2010 - Scott White (Ph.D.) Melody De Jong (M.Sc.)	2016 - Charles Geddes (Ph.D.) Moria Petruic (M.Sc.)
2005 - Delgermaa Chuluunbaatar (Ph.D.) Paula Halabicki (M.Sc.)	2011 - Scott White (Ph.D.) Megan MachEachern (M.Sc.)	2017 - Lysandra Pyle (Ph.D.) Jonathan Rosset (M.Sc.)
2006 - Christian Willenborg (Ph.D.) Julie Laplante (M.Sc.)	2012 - Caroline Halde (Ph.D.) Breanne Laturus (M.Sc.)	2018 - Leila Kamino (Ph.D.) Brendan Metzger (M.Sc.)
2007 - Christian Willenborg (Ph.D.) Amélie Bilodeau (M.Sc.)	2013 - Dilshan Benaragama (Ph.D.) Colleen Redlick (M.Sc.)	2019 - Khaldoun Ali (Ph.D.) Ted Vanhie (M.Sc.)
2008 - Muthu Bagavathiannan (Ph.D.) Marie-Ève Bérubé (M.Sc.)	2014 - Breanne Tidemann (Ph.D.) Andrea De Roo (M.Sc.)	2020 - Khaldoun Ali (Ph.D.) Laura Anderson (M.Sc.)
2009 - Eric Page (Ph.D.) Emily Green-Tracewicz (M.Sc.)	2015 - Breanne Tidemann (Ph.D.) Katerine Stanley (M.Sc.)	

Corveta AgriScience Graduate Student Scholarship

1996 - Marvin Faber (Ph.D.)	2004 - Jamshid Ashigh (Ph.D.) Jonathan Horsman (M.Sc.)	2011 - Amanda Green (M.Sc.)
1998 - Kristen Callow (M.Sc.)	2005 - Mohammed Abudieyeh (Ph.D.) Josh Vyn (M.Sc.)	2012 - Teketel Haile (M.Sc.)
1999 - Gabrielle Ferguson (M.Sc.)	2006 - Marc McPherson (Ph.D.) Marie-Edith Cuerrier (M.Sc.)	2013 - Breanne Tidemann (M.Sc.)
1999 - Delany Ross (M.Sc.)	2007 - Eric Page (Ph.D.) Kristina Polziehn (M.Sc.)	2014 - Charles Geddes (Ph.D.)
2000 - Robert Gulden (Ph.D.) Peter Burgess (M.Sc.)	2008 - Benil Sable Emily Green-Tracewicz (M.Sc.)	2015 - Christopher Budd (M.Sc.)
2001 - Jason Cathcart (Ph.D.) Peter Burgess (M.Sc.)	2009 - Nicole Seerey (M.Sc.)	2016 - Taiga Cholette (M.Sc.)
2002 - Glen Forster (M.Sc.) Laura Van Eerd (M.Sc.)	2010 - Hélène Munger (M.Sc.)	2017 - Brendan Metzger (M.Sc.)
2003 - Kris Mahoney (Ph.D.) Nathalie Chouinard (M.Sc.)		2019 - Hugh Lyu (M.Sc.)
		2020 - Stefanie de Heij (Ph.D.)

Previous CWSS-SCM Award Winners

Syngenta Graduate Student Scholarship

1995 - Luc Bourgeois (Ph.D.)	2003 - John Bullied (Ph.D.)	2009 - Amit Jhala (Ph.D.)
1996 - Mathieu Ngouajio	Chris Willenborg (M.Sc.)	Megan Moran (M.Sc.)
1998 - Tammy Jones-Dobbie (M.Sc.)	2004 - Christie Stewart (Ph.D.)	2012 - Scott White (Ph.D.)
Michelle du Croix-Sissons (M.Sc.)	Kristin Hacault (M.Sc.)	2013 - Caroline Halde (Ph.D.)
Laura Van Erd (M.Sc.)	2005 - Jamshid Ashigh (Ph.D.)	2014 - Katherine Stanley (M.Sc.)
1999 - Steve Martin (M.Sc.)	Scott White (M.Sc.)	2015 - Charles Geddes (Ph.D.)
Robert Thomas (M.Sc.)	2006 - Evan Sivesind (Ph.D.)	2016 - Felix Marsan-Pelletier (M.Sc.)
2000 - Ty Faechter (Ph.D.)	Luke Bainard (M.Sc.)	2017 - Maxime Lefebvre (Ph.D.)
Mike Cowbrough (M.Sc.)	2007 - Amit Jhala (Ph.D.)	2018 - Hugh Lyu (M.Sc.)
2001 - Nathan Boyd (Ph.D.)	Heather Flood (M.Sc.)	2019 - Nicole Berardi (Ph.D.)
Valarie Chabot (M.Sc.)	2008 - Eric Page (Ph.D.)	2020 - Amanda Fedorchuk (M.Sc.)
2002 - Mithila Jugulam (Ph.D.)	Karen Kennedy (M.Sc.)	
Danielle Reid (M.Sc.)		

CWSS-SCM Graduate Student Scholarship

2012 - Lena Syrovoy (M.Sc.)	2016 - Meghan Grguric (M.Sc.)
2013 - Sharavari Kulkarni (Ph.D.)	2017 - Elizabeth Buck (M.Sc.)
Charles Geddes (M.Sc.)	2018 - Deanna McLennan (M.Sc.)
2014 - Andrew McKenzie-Gopsill (Ph.D.)	2019 - Stephani de Heij (Ph.D.)
Annemarie Van Wely (M.Sc.)	Emily Priester (M.Sc.)
2015 - Holly Byker (Ph.D.)	2020 - Nicole Berardi (Ph.D.)
Amy Mangin (M.Sc.)	David Westerveld (M.Sc.)
2016 - Mike Schryver (M.Sc.)	

Previous CWSS-SCM Award Winners

Past Presidents of CWSS-SCM

1999 - Rick Holm	2011 - Peter Sikkema
2000 - Chris Hall	2012 - Bill Summers
2001 - Robert Blackshaw (Last Chair, ECW)	2013 - David Clements
2002 - Jerry Ivan (1st President, CWSS)	2014 - Hugh Beckie
2003 - Neil Harker	2015 - Eric Johnson
2004 - John O'Donovan	2016 - Jeff Bertholet
2005 - Denise Maurice	2017 - Linda Hall
2006 - Anne Légère	2018 - Eric Page
2007 - Len Juras	2019 - Rory Degenhardt
2008 - Clarence Swanton	2020 - François Tardif
2009 - Tom Wolf	
2010 - Sue Boyetchko	

2022 Awards



WSSA SUSTAINING MEMBERS

PRESIDENTIAL

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Bayer Crop Science
Corteva Agrisciences
FMC Corporation
Syngenta Crop Protection

LEADER

Helena Chemical
Valent USA
Winfield United

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GDM Solutions, Inc. Marrone
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2022 Awards



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