



WSSA



AWARDS PROGRAM

Monday, February 11, 2019

4:00–6:00 pm

Sheraton New Orleans
New Orleans, LA

PRESIDING

Dr. Larry Steckel, University of Tennessee

PRESENTATION OF HONORS AND AWARDS

Dr. Dwight Lingenfelter, Penn State University

Awards

Subcommittee Chair

Annual Meeting Graduate Student Grants	Calvin Odero
Undergraduate Research Awards	Mithila Jugulam
Outstanding Extension	Larry Steckel
Outstanding Research	Ramon Leon
Outstanding Graduate Student	Jason Ferrell
Outstanding Teacher	Reid Smeda
Outstanding Paper – <i>Invasive Plant Science & Management</i>	John Madsen
Outstanding Paper – <i>Weed Science</i>	Prashant Jha
Outstanding Paper – <i>Weed Technology</i>	Jason Bond
Outstanding Early Career Weed Scientist	Franck Dayan
Outstanding Industry	Muthu Bagavathiannan
Outstanding Reviewers	Sarah Ward*
Retiring Associate Editor – <i>Weed Technology</i>	Sarah Ward*
Public Service Award	Mike Barrett
WSSA Fellows and Honorary Member	Krishna Reddy
WSSA Excellence in Journalism Award	Carrol Mosley

*Director of Publications

WEED SCIENCE SOCIETY OF AMERICA AWARDS

FELLOWS. 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 of 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 MEMBER. Honorary memberships are given for significant contributions to the field of weed science. Active membership in WSSA is not a requirement.

OUTSTANDING INDUSTRY AWARD. 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. 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.

ANNUAL MEETING GRADUATE STUDENT GRANTS. The purpose of these grants is to encourage the involvement of graduate students in the annual WSSA meeting early in their degree programs, and to broaden the attendance of graduate students from nontraditional weed science research programs. The grants are limited to students for their first time WSSA meeting attendance.

UNDERGRADUATE RESEARCH AWARD. A competitive research grant awarded to undergraduate students to encourage and support undergraduate involvement in weed science research. Sponsored by WSSA Endowment.

EXCELLENCE IN JOURNALISM AWARD. 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. 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. Sponsored by Syngenta.

OUTSTANDING RESEARCH AWARD. 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. Sponsored by Corteva Agriscience.

OUTSTANDING GRADUATE STUDENT AWARD. The student must be a candidate for the 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 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. Sponsored by Corteva Agriscience.

OUTSTANDING EXTENSION AWARD. 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. Sponsored by Corteva Agriscience.

OUTSTANDING PAPER IN INVASIVE PLANT SCIENCE AND MANAGEMENT. This award is given to the author(s) of the paper published and judged to be the outstanding contribution in the journal, *Invasive Plant Science and Management*. Sponsored by Cambridge University Press.

OUTSTANDING PAPER IN WEED SCIENCE. This award is given to the author(s) of the paper published and judged to be the outstanding contribution in the journal, *Weed Science*. Sponsored Cambridge University Press.

OUTSTANDING PAPER IN WEED TECHNOLOGY. This award is given to the author(s) of the paper published and judged to be the outstanding contribution in the journal, *Weed Technology*. Sponsored Cambridge University Press.

OUTSTANDING EARLY CAREER WEED SCIENTIST AWARD. This award is for young scientists who have demonstrated originality and creativity 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. Sponsored by BASF.

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



2019 AWARDS

PHOTO CONTEST AWARDS

Sponsor:Marrone Bio Innovations

ANNUAL MEETING GRADUATE STUDENT GRANTS

Sponsor:WSSA Endowment

UNDERGRADUATE RESEARCH AWARDS

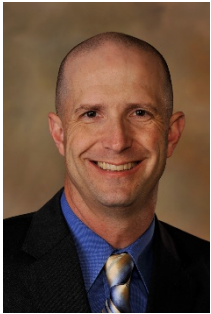
Sponsor:WSSA Endowment



OUTSTANDING EXTENSION AWARD

Industry Sponsor:Corteva Agriscience

STEPHEN F. ENLOE



Stephen Enloe is an Associate Professor in the Agronomy Department at the University of Florida. A native of Franklin, North Carolina, he was raised on a small mountain farm that produced vegetables, dairy products and meat. While growing up, one of his primary tasks was hand-weeding acres of vegetable gardens and this served to spark his interest in agriculture and weed science. He received his BS in Agronomy in 1994 from N.C. State University and his MS in Bioagricultural Sciences and Pest Management from Colorado State University in 1997 under the direction of Drs. Phil Westra and Scott Nissen. His PhD in Plant Biology from the University of California Davis in 2002 was under the direction of Dr. Joseph DiTomaso. He served as a Post-Doctoral Associate with USDA-ARS in Davis, CA for one year before beginning his professional career at the University of Wyoming as an Extension Weed Specialist in 2003. Dr. Enloe moved to Auburn University in 2008, where

he spent 7 years as an Invasive Plant Extension Specialist before taking his current position at the Center for Aquatic and Invasive Plants at the University of Florida in 2015. Over his career, Dr. Enloe's research and extension responsibilities have centered around the biology, ecology, and management of invasive plants in pasture and non-crop systems. He has worked across numerous ecosystems, including cold desert rangelands, high plains grasslands, southeastern forests, warm season pastures, and lakes, rivers, and wetlands. He has developed a wide diversity of extension programs and materials tailored to public and private land management from the local to the national level. He is very grateful to his wife (Heather) and children (Samuel, Ava, and Gabriel) for their love and support. He is also very grateful to his father (Robert), who was a wonderful public speaker and sewed into him a desire to help others. When he has time, he enjoys gardening, being outdoors, and competing in disc golf.



OUTSTANDING RESEARCH AWARD

Industry Sponsor: Corteva Agriscience

BRUCE MAXWELL



Dr. Bruce Maxwell is Professor of Agroecology/Applied Plant Ecology in the Department of Land Resources and Environmental Science at Montana State University in Bozeman, Montana.

Bruce came to Montana State University in 1992 from the University of Minnesota, holds a doctorate degree in Crop Science and Forest Ecology from Oregon State University. He completed his MS degree in 1984 in Agronomy and a BS degree in Botany in 1977 at Montana State University. Following his BS degree, he spent 2 year with his wife in the Peace Corps in Micronesia and in the subsequent year travelled around the world. Bruce grew up in Hamilton, MT attended University of Montana for a year and then moved on to the US Ski Team prior to attending MSU. Maxwell was instrumental in creating the interdisciplinary Sustainable Food and Bioenergy Systems (SFBS)

undergraduate degree program. He is currently lead investigator of a project on agricultural management optimization under high uncertainty. Other recent studies have focused on the invasion of pines in the Southern Hemisphere, specifically in Patagonia and South Island, New Zealand.

Maxwell is co-director of the Montana Institute on Ecosystems and was lead author for the Agriculture Sector of the Montana Climate Assessment. Maxwell has received national awards for outstanding teaching, best peer reviewed research papers and outstanding graduate student from the Weed Science Society of America. During his career he has published over 100 scientific peer reviewed journal articles and 13 invited book chapters, chaired and been a member of numerous agricultural and ecological research grant review panels and been a member of two National Academy of Science National Research Council Committees on Agriculture. He was a Fulbright Fellow in Argentina in 2007. He has been lead or co lead-advisor for 31 graduate students and 9 postdocs.

OUTSTANDING GRADUATE STUDENT

Industry Sponsor: Corteva Agriscience

THOMAS R. BUTTS



Thomas (Tommy) R. Butts is currently an Assistant Professor, Extension Weed Scientist with the University of Arkansas System Division of Agriculture. Tommy is married to his loving and supportive wife, Liberty, and they currently reside in Cabot, Arkansas. His research and Extension efforts focus on identifying novel weed management strategies through diversified approaches including the use of precision agriculture and application technologies. Tommy originally hails from southern Wisconsin where he grew up working on and around small dairy farms. He was active in 4-H and FFA while growing up, even serving as a Wisconsin State FFA Officer, which further instilled a passion for agriculture. As a result, Tommy attended the University of Wisconsin-Platteville completing his Bachelor of Science in Agricultural Business with a minor in Soil and

Crop Science. Following his undergraduate career, Tommy earned his Master of Science degree from the University of Wisconsin-Madison under the direction of Dr. Vince M. Davis. He investigated the influence of integrated weed management strategies, including soybean row width, seeding rate, and herbicide program, on pigweed management across the Midwest and Midsouth. Additionally, he conducted herbicide resistance screenings on several pigweed species from Wisconsin and reported the first confirmed incidences of glyphosate-resistant common waterhemp and Palmer amaranth within the state. Tommy then pursued his Ph.D. from the University of Nebraska-Lincoln studying under Dr. Greg R. Kruger at the Pesticide Application Technology Laboratory in North Platte, Nebraska. There, Tommy researched the influence of pulse-width modulation (PWM) sprayers on droplet size, droplet velocity, and spray pattern uniformity. Additionally, he studied the influence of spray droplet size from PWM sprayers on herbicide

efficacy and spray drift mitigation. Prior to his current role, he also worked for Dr. Shawn P. Conley at the University of Wisconsin-Madison as a Postdoctoral Research Associate investigating the role of underlying factors stimulating a soybean yield response from foliar fungicides.

As a result of his graduate studies, Tommy has currently authored or coauthored 15 peer-reviewed publications, 12 Extension and outreach publications, and over 40 scientific meeting abstracts. Additionally, he has given over 40 Extension and invited speaker presentations where he had the ability to directly reach approximately 3,500 agronomists, consultants, and farmers with weed management and spray application information. Tommy's passion for providing weed management information to others was further evident through his teaching of two weed science courses and mentorship of fellow graduate and undergraduate students. He has been an active member and served in leadership roles within the North Central Weed Science Society, Weed Science Society of America, American Society of Agronomy, and ASTM International.

Throughout Tommy's graduate career, he collaborated with numerous colleagues across the Midwest and southern United States and enjoyed the opportunity to combat weed management problems on a national scale. He is eager to provide weed management solutions using precision agricultural tools for Arkansas and United States farmers. Furthermore, Tommy looks forward to continuing his involvement and serving the Weed Science Society of America and Southern Weed Science Society. including the 2015 Arkansas Soybean Promotion Board Ph.D. Fellowship and the 2015 Bumpers College of Agricultural, Food, and Life Sciences Distinguished M.S. Student Award. At the SWSS Weed Contest, Chris placed as High individual in 2013, 2014, and 2nd in 2016. Chris has authored six *Weed Technology* articles, one article in *Crop, Forage, and Turfgrass Management*, five Arkansas research series papers, and 22 abstracts for professional meetings. Of those abstracts, Chris has placed second in the SWSS Ph.D. oral paper contest and has been recognized with 11 other speaking or poster presentation awards. Following graduation, Chris plans to pursue a career conducting applied field research for an agricultural company.



OUTSTANDING TEACHER AWARD

Industry Sponsor:Syngenta Crop Protection

KAREN RENNER



Karen Renner is a Professor at Michigan State University in the Department of Plant, Soil and Microbial Sciences. She completed her B.S. degree from Michigan State University, her M.S. degree from University of Wisconsin, and her Ph.D. degree in Crop and Soil Sciences from Michigan State University. Dr. Renner has been at Michigan State University since 1986; the first eighteen years as an Extension specialist in weed science and the past fourteen years in teaching and research with a 75:25 split appointment.

Dr. Renner's teaching responsibilities include four undergraduate courses: Introduction to Crop Science, Crop Scouting and Field Investigation, Integrated Cropping Systems – a capstone course for students majoring or minoring in Agronomy, and the Professional Internship course. She also teaches a graduate course in Weed Biology. She was awarded the Excellence in Teaching Award: New Teacher in 2008 from her college. Dr. Renner advised the 100 students in the Agronomy major for 12 years and was awarded the Outstanding Academic Advisor in her college in 2014. Dr. Renner's research focuses on weed management in cropping systems, including weed biology and seed fate, and integrating cover crops into conventional and organic systems.

In her position at Michigan State University, Dr. Renner has been the major advisor of 20 MS and 8 PhD graduate students and served on an additional 47 graduate committees. She has authored or co-authored over 75 refereed journal publications. Dr. Renner has had two undergraduate student recipients of the WSSA undergraduate research award.

Dr. Renner is a Fellow of the North Central Weed Science Society and the Weed Science Society of America.

She was awarded the Distinguished Young Scientist Award from the NCWSS early in her career, and recently received the Outstanding Reviewer Award from the Weed Science Society of America in 2016.



OUTSTANDING PAPER: Invasive Plant Science and Management

Industry Sponsor:Cambridge University Press

*Timing Aminopyralid to Prevent Seed Production Controls Medusahead (*Taeniatherum caput-medusae*) and Increases Forage Grasses* IPSM 2018 11:61-68

MATTHEW RINELLA



Dr. Matthew Rinella B.S. degrees from the Department of Crop and Soil Science at Michigan State University and a Ph.D. from the Department of Land Resources and Environmental Sciences at Montana State University. Since 2004, Dr. Rinella has worked for the USDA-Agricultural Research Service at the Fort Keogh Livestock and Range Research Laboratory in Miles City, MT. Dr. Rinella's broad research objective is to develop knowledge and management practices to address threats to rangelands posed by factors like climate change, exotic species invasions and energy extraction. To meet this objective, Dr. Rinella collaborates with ARS, university and industry partners, technicians, graduate students, and

interns in several applied and theoretical areas. Some of his research is seeking to improve efforts to seed native plants into rangelands impacted by oil and gas development, coal mining, overgrazing, and weed invasions. Other efforts are focused on prescribed grazing to control invasive weeds, improving livestock grazing distributions, quantifying off-target impacts of herbicides, and using herbicides to sterilize invasive annual grasses. On the more theoretical end, Dr. Rinella has used vital rate regressions to identify demographic bottlenecks limiting seeded species recruitment. Also, Dr. Rinella has developed quantitative methods for selecting seed mixes based on covariation in survival rates with the end goal of preventing recruitment failures during ecological restoration. Dr. Rinella has extensively used hierarchical Bayesian models to estimate invasive weed impacts, and he has recently adapted these models to observational data using econometric techniques.



OUTSTANDING PAPER: Weed Science

Industry Sponsor:Cambridge University Press

Genetically Engineered Herbicide-Resistant Crops and Herbicide-Resistant Weed Evolution in the United States Weed Science, 66(2):260-273.

ANDREW KNISS



Andrew Kniss is a Professor of Weed Ecology & Management in the Department of Plant Sciences at the University of Wyoming. He holds a PhD in Agronomy with a minor in Statistics from the University of Wyoming; an M.S. in Agronomy with a Weed Science specialization from the University of Nebraska-Lincoln; and a B.S. in Agroecology from the University of Wyoming. Andrew's research program focuses on crop-weed interactions, non-target impacts of weed management, and developing sustainable weed management programs in agronomic crops, especially sugarbeet, winter wheat, corn, and dry edible bean. He has authored or co-authored over 40 research articles in peer-reviewed journals. He teaches undergraduate and graduate level courses including *Ecology of Plant Protection*, *Weed Science & Technology*, *Applied Dose Response Analysis*, and *Navigating Graduate Research*. He received the Early Career Outstanding Weed Scientist award from the Western Society of Weed Science in 2013, and currently serves as President of the Western Society of Weed Science. He grew up on a small irrigated farm in

Nebraska. His interest in weeds began early in life after having to walk fields to pull nightshade berries out of dry bean windrows before harvest. Still today, his dad maintains that this life-altering experience "wasn't that bad."

OUTSTANDING PAPER: Weed Technology

Industry Sponsor:Cambridge University Press

iHSD Mill Efficacy on the Seeds of Australian Cropping System Weeds. Weed Tech 32:103-108

MICHAEL WALSH



Michael Walsh is an Associate Professor and Director Weed Research at the University of Sydney where he is now leading a large weed research program aimed at the development of alternate weed control technologies for Australia's northern grain production region. Michael completed his B.Sc. at the University of Western Australia, M.Sc. from La Trobe University, Melbourne and PhD from the University of Wyoming. For over two decades he has focused on the development and introduction of harvest weed seed control systems.



OUTSTANDING EARLY CAREER WEED SCIENTIST

Industry Sponsor:BASF Corporation

TODD GAINES



Dr. Todd Gaines is an assistant professor in the Department of Bioagricultural Sciences and Pest Management at Colorado State University, USA. His specialization is in molecular weed science and functional weed genomics. He grew up on a wheat farm in the US state of Colorado and completed his PhD at CSU, followed by post-docs in Western Australia (University of Western Australia, Australian Herbicide Resistance Initiative with Prof. Stephen Powles) and Germany (Bayer CropScience, Weed Resistance Competence Center). His research goal is to support sustainable weed management in cropping systems. Projects in his research group include identifying the molecular and genetic basis of herbicide resistance mechanisms and other genetic traits in weeds, and developing rapid molecular diagnostics for herbicide resistance

OUTSTANDING INDUSTRY AWARD

Sponsor:WSSA

RAKESH JAIN



Rakesh Jain was born in India in a small town near New Delhi. He completed his BSc (Hons) in Botany and MSc in Plant Physiology in India before moving to University of Alberta in Canada to complete a MS degree in Weed Science. He then joined Virginia Tech, where he received his Ph.D. degree in Plant Physiology and Weed Science in 1987, following which he was granted a post-doctoral fellowship at the University of Florida, Citrus Research and Education Center in Lake Alfred, FL.

Rakesh joined Sandoz Agro, Inc., a legacy company of Syngenta, in 1989 as a R&D scientist in Gilroy, CA, where he conducted research on soil behavior and environmental safety of early stage herbicide candidates and development products. He moved to his current location at the company's Vero Beach Research Center in Vero Beach, FL in 1997, where he works as a Senior Field Science Expert in the Weed Control group. His current responsibilities are to provide research support for the discovery, development, registration, and sale of herbicide products and traits. In his role with the company, he has had the opportunity to work with and contribute to the successful development and commercialization of several herbicide products, including dimethenamid, diflufenopyr, trifloxysulfuron-methyl, mesotrione, and bicyclopyrone.

Rakesh has been a member of the WSSA since 1981 when he first attended the annual meeting of the society as a graduate student. He has presented several papers at the WSSA and the regional weed science societies in USA and Canada and has served the WSSA and the regional societies by judging paper and poster contests, moderating and chairing paper sections, and participating on several committees. He was chair of the Environmental Aspects of Weed Management committee from 2015 to 2017. He has assisted as a volunteer in several Weed Contests, including the Weed Olympics in Lexington, TN, and helped host the SWSS Weed Contest at Syngenta's Vero Beach Research Center in 2007 and 2017.

Rakesh is very grateful to all his advisors, mentors, colleagues, and family for their support and encouragement throughout his professional career.



OUTSTANDING REVIEWER AWARDS

Sponsor:WSSA

TE-MING “PAUL” TSENG



Te-Ming “Paul” Tseng graduated from Bangalore University, India in 2005 with a B.S. in Biotechnology, completed M.S. in Plant Biotechnology in 2007 from Allahabad Agricultural Institute, and then attended the University of Arkansas, Fayetteville, where he completed his Ph.D. in Cell & Molecular Biology in Weed Science in 2013. Following his Ph.D., he worked as a postdoctoral research associate in University of Arkansas, and Purdue University. Dr. Tseng is currently an Assistant Professor of Weed Physiology in the Department of Plant and Soil Sciences at Mississippi State University (MSU). His research program is focused on studying the molecular basis behind weed species in response to environmental

stress, including herbicide pressure and competition with crops. Currently, he is working on identifying herbicide resistant mechanisms in numerous weed species, and characterizing competitive traits in weeds so as to understand the genes and/or biochemical pathways associated with these competitive traits. Courses taught are, “Herbicide Physiology and Biochemistry”, and “Environmental Fate of Herbicides”. He has served as Major Advisor/co-Advisor of 3 M.S. and 3 Ph.D. students; advised 10 undergraduate honors student research; and, served on 8 graduate student committees.

He has published 21 peer-reviewed journal articles, over 65 in conference proceedings, and, has won several awards including the Excellence in Teaching Award (MSU College of Agriculture and Life Sciences); William M. White Special Project Awards (MSU Division of Agriculture, Forestry and Veterinary Medicine); Schilling Special Teaching Award (MSU Provost’s office); Outstanding Mentor Award (MSU Office of Student Leadership and Community Engagement); SEC Faculty Travel Award (Southeastern Conference); and, IWSS Travel Award (International Weed Science Society).

Dr. Tseng has served as grant reviewer for numerous USDA, Southern SARE, MS NASA, and FFAR grants; editorial board of journals including Crop Science, Plant Gene, and Frontier in Plant Science; and, reviewer of journals including Weed Science, Weed Research, Crop Protection, Pest Management Science, HortScience, and PLOS ONE. He is also the WSSA representative to Technical Advisory Group for Biological Control Agents of Weeds; Strategic Communications Officer of Gamma Sigma Delta International; president of MSU Gamma Sigma Delta; and, Publicity and Promotion Committee Chair of International Weed Science Society. Dr. Tseng is an active member of the Southern Weed Science Society and Weed Science Society of America and has been actively involved in SWSS/WSSA meetings since 2008. He has been married to Sally, and are blessed with one son, and one daughter



CALEB DALLEY



Dr. Caleb Dalley is a research weed scientist stationed at North Dakota State University’s Hettinger Research Extension Center located in southwest North Dakota since 2014. Dr. Dalley was raised in rural southern Idaho where he gained a love for agriculture as he worked with neighboring dairy and crop farmers. He graduated from Rick’s College with an AAS in Agronomy, earned a BS in Crop Science, and an MS in Plant Science in the Weed Science program at Utah State University, being advised by Dr. John O. Evans and Dr. Steve Dewey. He earned his PhD in Crop and Soil Science in the Weed Science program at Michigan State University, being advised by Dr. James Kells, Dr. Karen Renner, and Dr. Donald Penner. At North Dakota State University, Dr. Dalley’s research is primarily focused on applied weed management in no-till production

systems in crops such as spring wheat, durum, oats, flax, field pea, chickpea, lentil, safflower, sunflower, and weed control in pasture and range. Prior to moving to North Dakota, Dr. Dalley was a research weed scientist at the USDA-ARS Sugarcane Research Unit in Houma, Louisiana for nearly 10 years where he conducted weed control and growth regulator research in sugarcane. Dr. Dalley is a member of the North Central Weed Science Society, the Western Society of Weed Science, and the Weed Science Society of America, and a former member of the Southern Weed Science Society and the American Society of Sugarcane Technologists. He is married to Melinda Coleman since 1994 with five children; Ben, Mitchell, Gavin, Julia, and Trevor



JACOB BARNEY



Dr. Jacob Barney is an Associate Professor of Invasive Plant Ecology at Virginia Tech. He received his BS in chemistry from the University of Kentucky where he worked in a weed science lab. Jacob received his MS and PhD from Cornell University in weed ecology. Jacob moved to the University of California Davis as a Postdoctoral Scholar before beginning his position in Blacksburg in 2010. Jacob’s research program is focused on broad aspects of weed and invasive plant biology, ecology, and management. Jacob has research programs in a variety of systems, including deciduous forests, reclaimed coal mines, riparian systems, and agroecosystems. Jacob also developed an innovative research program on determining the invasive potential of bioenergy crops. Jacob has published 73 peer-reviewed papers in >40 journals, 1 book, 6 book chapters, 4 policy documents, 2 extension publications, and given 28 invited and 91 contributed presentations. Jacob has been awarded >\$1.8M in grants and contracts primarily from the USDA. Jacob has been honored to receive the Weed Science Society of America’s *Early Career Outstanding Researcher Award*, *Outstanding Graduate Student Award*, and the *Outstanding Paper in Invasive Plant Science and Management*, and Northeastern Weed Science Society’s *Outstanding Researcher Award* and the *Robert D. Sweet Outstanding Graduate Student Award*. Jacob has served as an Associate Editor for *Invasive Plant Science and Management* since 2012.



WSSA PUBLIC SERVICE AWARD

Sponsor:Bayer U.S. – Crop Science

DONN SHILLING



I received my BS and MS degrees from Virginia Tech in Agronomy and Plant Physiology, respectively, and my Ph.D. in Crop Science from North Carolina State University in 1983. I initially worked as a Senior Research Biologist for Monsanto responsible for the development of methods used to evaluate natural products as herbicides. In 1985 I was promoted to managing herbicide evaluation and development. I accepted the position of assistant professor at the University of Florida in 1987 and was promoted to full professor in 1994 with research and teaching responsibility. My research involved studying fundamental and applied aspects of ecophysiological and physiochemical factors affecting herbicides and weedy plant species. I also focused on the management of invasive and perennial plants and land restoration. I had an active undergraduate and graduate teaching program. I have been a member of, and chair of, numerous university,

society and community committees. I have made over 200 presentations, been a member of 50 graduate committees and been major professor for 13 MS and PhD students and taught 5 weed science courses. I have been PI or Co-PI for grants and gift totaling over \$3 million and published 160 abstracts and proceedings, 3 book chapters, 105 referred articles and 100 technical reports. I received the Graduate Teacher and Advisor of the Year Award in 1994, the Florida Outstanding Weed Scientist for 1997, the Southern Weed Science Society Distinguished Service Award in 2012, was the University of Florida's ESCOP/ACOP leadership development representative from 1994-1995, was appointed the first WSSA NIFA Fellow in 2014 and was named a WSSA Fellow in 2015. As a consultant, I have worked with several organizations on various issues related to weed management and ecosystem restoration.

My academic administrative experience started with my roles as the Agronomy Department Graduate and Curriculum Coordinator and Chairman of the University of Florida Task Force on Invasive Plants. My interest in administration lead to being named University of Florida's representative in several leadership development programs. From 1997-2003, I was the Director for the University of Florida's West Florida and Mid-Florida Research and Education Centers. The administrative head of Research and Education Centers (REC) in the University of Florida system provides leadership for the research, teaching and extension programs relevant to the state. In 2000, I chaired the College of Agriculture and Life Sciences Satellite Program Committee. I co-chaired the UF Research and Education Center Task Force. In January 2004, I became the Department Head of Crop and Soil Science at the University of Georgia. In this capacity, I am responsible for managing and providing leadership for state-wide research, teaching and extension programs. In addition, I serve as the liaison for external stakeholder groups and university faculty, students and administrators interested in departmental programs. The Department of Crop and Soil Sciences is a multi-functional, inter-disciplinary, multi-locational department committed to supporting outstanding research, teaching, and extension programs at the Athens, Griffin and Tifton campuses. In addition to serving as Department Head I also manage a 600-acre farm, greenhouse complex, the Georgia Weather Network and Variety Testing Program.

I have remained active in research, teaching, outreach, professional societies, public policy and regulation as an administrator. I have participated and/or managed several special projects to deal with such issues as multi-locational education, bio-energy and alternative crops, invasive species, reorganization of the College of Agriculture and the State-Wide Research and Education System. I am a BOD member for the Georgia Plant Food and Education Society, presently chair the Weed Science Society of America's Science Policy Committee and service as the WSSA NIFA Fellow. I am presently a professor in the Crop and Soil Sciences Department at UGA involved in Weed Science research, teaching and extension.



WSSA FELLOW AWARDS

Sponsor:WSSA

ADAM DAVIS



Adam serves as Professor and Head in the Department of Crop Sciences at the University of Illinois at Urbana-Champaign. Prior to beginning this position in September 2018, Adam worked for 14 years 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. His goals as Head include increasing undergraduate student enrollment through building long-term relationships with middle and high school STEM programs in Illinois and beyond, broadening the stakeholder base served by the department, and deepening coordination of research activities across domain areas and organizational units

to achieve greater impact on the sustainable intensification of agriculture.

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DALLAS PETERSON



Dallas Peterson is a Professor and Extension Weed Specialist at Kansas State University. Dallas grew up on a small diversified crop and livestock farm in north central Kansas and received his B.S. and M.S. degrees in Agronomy from Kansas State University. He completed his Ph.D. degree in Weed Science at North Dakota State University and worked as an Assistant Professor and Extension Weed Specialist in North Dakota from 1987 to 1989. Dallas returned to Kansas State University in 1989 and currently serves as a Professor and Extension Weed Specialist, developing educational programs and conducting applied research on weed management in soybeans, small grains, alfalfa, and specialty crops. His extension program has a strong farmer and dealer focus, including participation in many public meetings, field days and demonstrations at which he has made

approximately 1500 presentations to more than 70,000 participants during his extension career. He is author or co-author of 60 refereed journal articles, 138 Extension publications, 140 research reports, 233 meeting abstracts, and numerous newsletter and popular press articles. His educational programs often include information generated from an applied research program that is focused on local issues, such as herbicide resistance, new weed control technologies, and application technology. Dr. Peterson is an active member of the Weed Science Society of America, the North Central Weed Science Society, the Western Society of Weed Science, and the Council on Agricultural Science and Technology. He has served on numerous committees and in various capacities, including the Board of Directors for WSSA and NCWSS, Board of Representatives for CAST, and the Presidential leadership sequences for both WSSA and NCWSS. He also has served on the Kansas Certified Crop Advisors board of directors and works in an advisory role with the Kansas Department of Agriculture and the Kansas Noxious Weed Programs on herbicide registrations and weed management programs. Dallas has supervised 10 graduate students and served on numerous graduate committees. He has helped coached the KSU weeds teams to several high finishes at the summer student contest. Dallas has been previously recognized with the Outstanding Extension Award from WSSA, Fellow Award from NCWSS, the Horizon Early-Career and Mid-Career Awards from the Kansas chapter of Epsilon Sigma Phi, and the Excellence in Extension Award from Gamma Sigma Delta at Kansas State University.



WSSA HONORARY MEMBER AWARD

Sponsor:WSSA

PEDRO CHRISTOFFOLETI



Joined the College of Agriculture "Luiz de Queiroz" (ESALQ), that is part of University of Sao Paulo (USP), Brazil, as under graduate student in 1978, majoring in Agronomy, ending the course in 1981. He received the honor of Best Performer Student in the college in the area of Plant Science; had earned the 3rd best grade, based in his GPA, among the 200 undergraduate students. During his undergrad curriculum, he specialized in Crop Science, developing specific activities in the Weed Biology and Management area. Still as an undergraduate student, he began Weed Science research activities during his internships.

Upon graduation, he was hired by the IAA/Planalsucar Sugarcane Experimental Station, as a trainee in a project

sponsored by “Luiz de Queiroz” Foundation (FEALQ) to work with weed control in sugarcane. His responsibilities included research and development in Weed Science and Plant Physiology. In addition to research, he taught short courses to growers and technicians.

He earned his Master of Science in 1985, at ESALQ/USP, while working at the IAA/Planalsucar Sugarcane Experimental Station. During his Master Program, he was hired by ESALQ/USP as an Assistant Professor. His teaching responsibilities included LPV672 Weed Management (undergraduate level), LPV713 Biology and Weed Management (graduate level), and Weed Herbicide Resistance (graduate level)

A major scientific and didactic improvement was achieved in the period of 1990 to 1993, when he pursued a Ph.D., in the area of Weed Science at Colorado State University, USA. His work was related to weed herbicide resistance to ALS inhibitor herbicides entitled "Growth, competitive ability, and fitness of sulfonylurea resistant and susceptible *Kochia scoparia*". This research activity continued his return to Brazil and rejoining the ESALQ/USP faculty in 1993.

Christoffoleti research program has focused on biology and weed management in the main agricultural crops in Brazil, resulting in more than 100 peer-reviewed publications. Christoffoleti was the first to report a case of ALS inhibitor herbicide resistance in a weed biotype in Brazil (*Bidens pilosa*), in 1993. That was the first report of a Brazilian resistant weed biotype in the country. Pedro was also the first to lead a research that resulted in a peer reviewed publication about *Amaranthus palmeri* in Brazil, as well to report cases of ACCase inhibitor herbicides and multiple resistance in the country. Christoffoleti research development in herbicide resistance is well recognized not only in the scientific community, as well as by producer and field technicians, shown by his innumerable academic, scientific and extension talks in the subject. He has participated in numerous congresses, symposiums and other technical/scientific meetings in Brazil and abroad, as well as organizing various scientific events. He has advised more than 40 graduate students (25 in Masters and 15 in PhD), and is currently directing another 6 students at Master level and 3 at PhD level.

In 1994, he was recognized as full professor of ESALQ/USP, Crop Science Department, continuing as researcher, teacher and extension service. From August 2014 to December 2016 he served as president of the Brazilian Society of Weed Science. He was also coordinator of the graduate program in Plant Science at ESALQ/USP, and vice-chair of the ESALQ/USP Graduate School, as well as serving on WSSA's as member of the International Affair committee.



WSSA EXCELLENCE IN JOURNALISM AWARD

Sponsor:WSSA

PAMELA SMITH



Pamela Smith was fresh out of college in May 1977 when her new boss handed forth the first assignment of her career. The article to be titled "How to Walk Beans" seemed easy enough. Most of her childhood was spent swinging a bean hook or corn knife.

A call went out to University of Illinois weed scientist Marshal McGlamery for expert testimony. Together, scientist and journalist newbie delved into the “Santa Claus treatment” (hoe, hoe, hoe) and the serious aspects of weed competition and crop interference.

The assigning editor later confided that he never expected an article — the assignment was meant as a joke to put the new kid in her place. However, that experience set a seed. It would be of the first hundreds of weed science stories to follow over the next 40+ years — including an award winning personality profile of the first scientist she interviewed titled: "The Weed Marshal."

She crafted early articles alerting U.S. farmers to the issue of weed resistance. In 2012, she wrote a cover story outlining the need to understand the dicamba tolerant technology and the challenges farmers might face. That article would prove prophetic as covering the dicamba issue has been central to her coverage over

the past few years. Smith, along with a team of DTN editors and reporters, work diligently every day to bring farmers unbiased information on weed science and many other agricultural topics.

Smith is currently the Crops Technology Editor for DTN/The Progressive Farmer. She joined the organization in 2012 and oversees the crops content for both the DTN online news outlet and the monthly magazine. She previously was seeds and technology editor for Farm Journal Media. In addition to writing, reporting and photography, Pamela served as the writing coach for the magazine staff. An Illinois native, she started her career as a field editor for the Illinois Prairie Farmer magazine and has freelanced for a multitude of farm, food and travel magazines.

She is a two-time winner of the American Agriculture Editor's Association Writer of the Year honors. In 2009, she received the Jesse H. Neal National Business Journalism award for a series on soybean rust. She was the first agricultural journalist to receive that coveted prize, often referred to as the Pulitzer of business journalism. In 2011, she received a second Neal award as part of a team covering the legacy of passing down the farm through the generations. She has also been named the journalist of the year by the American Phytopathological Society (plant pathologists) and was awarded a national food writing award for her profile of Father Dominic Garramone, a bread-baking priest.

Smith continues to gain inspiration (and often critique) from the four generations of her family that currently farm in central Illinois. She and her husband, Jay, have five children and six grandchildren and operate a lawn business with 14 employees in the Decatur, Illinois, area. They are gardeners and beekeepers. She is an active pet therapy volunteer with Lucy, a Pet Partners certified Golden Retriever.

And she still walks soybeans—these days, it is mostly with a camera in hand.



PREVIOUS WSSA AWARD WINNERS

OUTSTANDING PAPER IN *WEED SCIENCE*

1964 - R.N. Andersen A.J. Linck R. Behrens M.L. Weaver R.E. Nyland	1983 - R.A. Evans D.A. Easi D.N. Book J.A. Young	1999 - C.V. Eberlein M.J. Guttieri J. Steffen-Cambell	2011 - J. Storkey S. Moss J. Cussans
1966 - J.H. Ohman T. Kommedahl L.L. Jansen	1984 - E.P. Flint D.T. Patterson	2000 - M.J. Foes L. Liu P.J. Tranel L.M. Wax E.W. Stoller	2012 - K. Thinglum C.W. Riggins A.S. Davis K.W. Bradley K. Al-Khatib P.J. Tranel
1967 - L.L. McCormick A.E. Hiltbold	1985 - E.E. Schweizer R.L. Zimdahl	2001 - J. S. Holt A.B. Boose	2013 - J. Moriles S. Hansen D. Horvath G. Reicks K.M. Barlow
1968 - R. Prasad C.L. Foy A.S. Crafts	1986 - M.R. Pareja D.W. Staniforth	2002 - L. Hall K. Topinka J. Huffman L. Davis A. Good	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
1969 - C.R. Swanson H.R. Swanson	1987 - R.N. Paul S.O. Duke W.H. Kenyon	2003 - B.V. Ottis A.M. Prazak-Harvey C.A. Bormans C. Sneller J.M. Chandler W.D. Park	2015 - J.F. Egan K.M. Barlow D.A. Mortensen D. Clay S. Clay
1970 - J.B. Weber S.B. Weed T.M. Ward	1988 - S.L. Sherrick H.A. Holt F.D. Hess	2004 - M.A. Stanislaus C. Cheng	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
1971 - L. Thompson, Jr. F.W. Slife H.S. Butler	1989 - P.J. McCall 1990 - D.A. Mortensen H.D. Coble	2005 - A.N. Steinau D.Z. Skinner M. Steinau	2017 - M. Dogramaci G.G. Gramig J.V. Anderson W.S. Chao M.E Foley
1972 - R.D. Gruenhagen D.E. Moreland	1991 - W.H. Ahrens 1992 - J.M. Shribbs D.W. Lybecker E.E. Schweizer	2006 - I. Rajcan K.J. Chandler C.J. Swanton	2018 - G. Cundiff T.C. Mueller D.B. Reynolds
1973 - J.L. Hilton M.N. Christiansen	1993 - J.S. Holt D.R. Orcutt	2007 - J.T. Dauer D.A. Mortensen R. Humston	
1974 - J.T. Daniel G.E. Templeton R.J. Smith, Jr. W.T. Fox	1994 - L.J. Wiles G.G. Wilkerson H.J. Gold H.D. Coble	2008 - K.W. Davies R.L. Sheley	
1975 - A.D. Worsham	1995 - D.A. Derksen A.G. Thomas G.P. Lafond H.A. Loeppky C.J. Swanton	2009 - D.P. Horvath D. Llewellyn S. Clay	
1976 - R. Parker M.C. Williams	1996 - C.G. McWhorter R.N. Paul J.C. Ouzts	2010 - S.S. Kaundun I. Zelaya R.P. Dale A.J. Lycett P. Carter K. Sharples E. McIndoe	
1977 - J.M. Anderson C.G. McWhorter	1997 - M. Jasieniuk A.L. Brule-Babel I.N. Morrison		
1978 - C.G. McWhorter	1998 - F. Forcella R.P. King S.M. Swinton D.D. Buhler J.L. Gunsolus		
1979 - P.G. Bartels C.W. Watson			
1980 - P.E. Brewer C.J. Arntzen F.W. Slife			
1981 - D.T. Patterson E.P. Flint			
1982 - P.H. Westra D.L. Wyse E.F. Cook			

OUTSTANDING PAPER IN *WEED TECHNOLOGY*

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

OUTSTANDING PAPER IN *INVASIVE PLANT SCIENCE AND MANAGEMENT*

2010 - S.M. Ward C.E. Fleischmann M.F. Turner S.E. Sing	B. Rector D. Zhang
2011 - K.M. Goodwin R.E. Engel D.K. Weaver	2015 - J. Leary B.V. Mahnken L.J. Cox A. Radord J. Yanagida T. Penniman D.C. Duffy J. Gooding
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.
2013 - A. Herrera-Reddy R. Carruthers N. Mills	2017 - A. Boswell S.E. Sing S. Ward
2014 - J. Gaskin M. Schwarzlander H. Hinz L. Williams III E. Gerber	2018 - D. Tekiela J. Barney

OUTSTANDING TEACHER AWARD

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

OUTSTANDING EXTENSION AWARD

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

OUTSTANDING RESEARCH AWARD

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

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

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

OUTSTANDING EARLY CAREER WEED SCIENTIST AWARD

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

OUTSTANDING REVIEWER AWARD

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

WSSA FOUNDER AWARD

1974 - R.H. Beatty

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 PUBLIC SERVICE AWARD*

2015 – D.R. Shaw
2016 – J. Schroeder
2017 – M. Barrett
2018 – P. Stahlman

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
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	M. Newton	D.S. Murray	

WSSA FELLOWS* (cont.)

2009 - K. Renner M. Barrett A.R. Bonanno	2011 - J.M. DiTomaso D.A. Mortensen K. Al-Khatib	F. Forcella J.M. Green	2016 - D. Shilling W.K. Vencill
2010 - J. Schroeder J.A. Dusky K. Reddy	2012 - J. Derr J.J. Jachetta P. Stahlman	2014 - J. V. Anderson T.C. Mueller P.H. Sikkema	2017 - N. Roma-Burgos R. Zollinger
	2013 - P. Banks	2015 - R.D. Sammons W.C. Johnson, III	2018 - H. Beckie J. Norsworthy

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	1966 - Su Shao Quan	2008 - R. Labrada Romero	
1985 - Abed R. Saghir	1997 - Stephen B. Powles	2009 - H. Matsumoto	
1986 - Beatriz L. Mercado	1988 - Jens C. Streibig	2010 - No Award	
1987 - Yang-han Li	1999 - Jost Harr	2011 - R. Cousens	

*Society members being honored were originally referred to as Honorary Members. Beginning in 1970 the term was changed to WSSA Fellows and the term Honorary Member has since been reserved for honoring contributions to Weed Science regardless of WSSA membership status.

* The Public Service Award was initiated in 2015.

OUTSTANDING PUBLICATION IN *WEEDS TODAY*

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

OUTSTANDING STUDENT ESSAY AWARD

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

UNDERGRADUATE RESEARCH AWARD

1992 - J. Picketts B. Thorpe	2002 - B. Dixon P. Buck S. Schoesk H. Shriner M. Naveed	2010 - R. Marks A. Weiler A. Ryan D. Triebwasser	2015 - A. Thornton C. Noffsinger C. Hicks D. Farnsworth G. Gundy J. Bramhall N. Steppig R. Han S. Parry W. Kim
1993 - G. Chammas J. Sweat		2009 - B. Pandey J. Moriles B. Martins L. Christ A. Cho M. Nicolai Melanie Ho	
1994 - B.A. Galloway R. Lunsford J. Murthy W.B. White	2003 - K. Branum K. R. Dawson R. Kennedy E. La Malfa R. Lynch M. Stanford B. Webster	2010 - J. Scott A. Asebedo A. Grothaus A. Wing	2016 - S. Engelken P. Hedges O. Todd O. Obenland M. Joline M. Strelau K. Lillie K. Taylor A. Griffith C. Dau
1995 - E. Miller S. White S. Steed T. Bradford	2004 - J. Flagg C. Curran T. Gaines	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 K. Varnon D.A. Wolter
1996 - J. Baumgartner W. Pline C. Flore A. Solie	2005 - H. Spalholz M. Pinch D.R. Drost V. Lee M. Lockhard K. Cockburn A. Haji		
1997 - L. Fandrich T. Frey M. Furlong I. King G. Penny	2006 - D. Heggenstalled K. Campbell M.L. Blanchard A. Hecker M.F. Rollins J. Vassios Z. Isaacson	2012 - T. Ortiz M. Angell D. Brachtenbach R. Brenner R. Mejorado K. Caudle Matthew Ho	2018 - D. Came G.A. Caputo A. Constine J. Fisher M. Pitney D. Taylor S. Claire R. Watson
1998 - S.J. Gray L. Milliman G. Horsman A.S. Franssen J.J. Reilly J. Nguyen A. Anchieta	2007 - C. Thompson L. Rehak S. Tarolli J. Walter C. Fleischmann S. Rousonelos L.M. Kuehl R.L. Roten	2013 - E. Maves K. Rimol A. Gardner D. Simmons L. Rios D. Rossman J. Baniszewski K. Caudle T. Donohoe T. Newell	
1999 - B. Birch H. Chaffey J. Choy J. Groeteke N. Klenk M. Kuchuran C. Sykes	2008 - T. Brummer G. J. Miles R. M. Thomas A. J. Paik C. Lange V. A. Johnson L. Daconti A. Zwainz	2014 - R. Warnock C. Prince B. Janney M. Morris H. Tomlinson	
2000 - K.E. Bolton D. Coggon M. J. Donovan D. Krebs C. Schuster W. Thomas B. Trader			
2001 - A.E. Guza W. Barker J. Siira T.L. Brenly M. MacDonald D. Solie R. Labbe			





WSSA SUSTAINING MEMBERS

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Bayer Crop Science
Corteva Agrisciences
FMC Corporation
Syngenta Crop Protection

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Helena Chemical
Valent USA
Winfield Solutions

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Nufarm Americas, Inc.
UPL NA Inc.
Growmark, Inc.
Gylling Data Management, Inc.
Marrone Bio Innovations, Inc.

CONTRIBUTING

AMVAC Chemical Corp
Greenleaf Technologies
TeeJet Technologies
Nippon Soda Ltd
Clariant Corporation
Convion
Lehigh Agri & Bio Services, Inc.
Minnesota Valley Testing Lab
SePRO
R & D Sprayers