WSSA

AWARDS PROGRAM
Monday, February 6, 2017
4:00–6:00 pm

Hilton El Conquistador
Tucson, Arizona

PRESIDING

Dr. Janis McFarland, Syngenta

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	Jim Westwood
Outstanding Graduate Student	Jason Ferrell
Outstanding Paper – *Invasive Plant Science & Management*	Greg MacDonald
Outstanding Paper – *Weed Science*	Prashanta Jha
Outstanding Paper – *Weed Technology*	Darren Robinson
Outstanding Early Career Weed Scientist	Franck Dayan
Outstanding Industry	Muthu Bagavathiannan
Outstanding Reviewers	Sarah Ward*
Retiring Associate Editors – *Weed Science*	Sarah Ward*
Retiring Associate Editors – *Weed Technology*	Sarah Ward*
Retiring Associate Editors – *Invasive Plant Science and Management*	Sarah Ward*
Retiring Editor – *Invasive Plant Science and Management*	Sarah Ward*
Public Service Award	John Soteres
WSSA Fellows and Honorary Member	Krishna Reddy

*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.

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.

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 Dow AgroSciences

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 DuPont Crop Protection.

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 Dow AgroSciences.

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*. Co-Sponsored by Syngenta and 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*. Co-Sponsored by BASF and 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*. Co-Sponsored BASF and 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 Monsanto.

2017 AWARDS

PHOTO CONTEST AWARDS

Sponsor: ..... Gylling Data Management

ANNUAL MEETING GRADUATE STUDENT GRANTS

Sponsor: ..... WSSA Endowment

UNDERGRADUATE RESEARCH AWARDS

Sponsor: ..... WSSA Endowment

OUTSTANDING EXTENSION AWARD

Industry Sponsor: ..... Dow AgroSciences

MARK VANGESSEL

Dr. Mark J. VanGessel has been a faculty member at the University of Delaware in the Department of Plant and Soil Sciences since 1995. He earned a M.S. Degree from Michigan State University in the Crop and Soil Science Department under Dr. Karen Renner. He obtained his Ph.D. degree from North Carolina State University from the Crop Science Department with Dr. Harold Coble. Mark then worked as a post-doctoral researcher at Colorado State University for almost four years before moving to Delaware. While at CSU he worked with Dr. Phil Westra as well as Dr. Ed Schweitzer.

"Over the course of graduate school and my career, I have been to have had so many outstanding people impact me professionally. There are too many people to name here, but this award is the result of these collaborations and the long-term impact these folks have had on me."

Mark holds an extension and research appointment with responsibility for weed management in agronomic crops and commercial vegetables. He assists with extension programs for agronomic crops in New Jersey as well.

His research program includes studies in weed biology and ecology that examine the impact of weed management on weed population shifts; effect of crop production practices on weed growth and competitiveness; and understanding the growth and development of difficult to control species such horseweed (*Conyza canadensis*), Palmer amaranth (*Amaranthus palmeri*), and Texas panicum (*Panicum texanum*). Integrated pest management research includes the impact of weed competition on yield loss and yield quality; and effectiveness of cover crops on weed management. Herbicide resistant weed studies focus on identifying the presence of herbicide resistant weeds in the mid-Atlantic region and evaluating effective weed control programs. Organic weed management research involves reducing tillage for organic grain production systems. Herbicide evaluation research is identifying effective and economical weed control programs for Delmarva and identifying potential herbicides for use in a variety of crops. These projects are a team-effort with Quintin Johnson and Barbara Scott at the UD. These projects have also led to over 50 refereed publications in scientific journals, over 190 abstracts, 30 extension publications, and numerous other reports, articles, and publications.

Mark's extension activities are closely associated with his applied research program and involve training county educators, growers, and agri-service professionals throughout the state of Delaware. His activities also include serving on the Delaware Noxious Weed Committee. Working with industry partners, he has helped with at least twelve 24-c labels for vegetable crops in Delaware.

Mark has been very active as a member of regional weed science societies, Weed Science Society of America, and International Weed Science Society. This includes serving on various committees, section chairperson, section moderator, and President of the NEWSS. He has also served as the NE-SARE Coordinator for UD.

Mark resides in Delmar, DE with his wife Kathryne Everts and four children.

2017 AWARDS

OUTSTANDING RESEARCH AWARD

Industry Sponsor: ..... Dow AgroSciences

JOSEPH DITOMASO

Joe DiTomaso received his B.S. degree in Wildlife Biology in 1977 from the University of California, Davis, his M.S. degree in 1981 at Humboldt State University in Plant Taxonomy and his Ph.D. in Weed Science at the University of California, Davis, in 1986. He was on the faculty at Cornell University from 1987 to 1994, where he primarily worked in the area of weed physiology. In 1995 he joined the University of California, Davis, Weed Science Program where he is a Cooperative Extension Weed Specialist and Professor. His research and extension program focuses on understanding the biology and ecology on invasive plants in natural areas and using this information to develop more effective, scientifically-based, and cost effect methods for their management. Over his career he has published 146 peer-review manuscripts, authored 39 book chapters, and published four books, including *Weeds of the Northeast, Aquatic and Riparian Weeds of the West, Weeds of California and Other Western States*, and *Weed Control in Natural Areas in the Western United States*. He has authored over 250 other outreach and extension publications and has developed online programs for the identification of weeds in the western United States. Joe teaches two courses at UC Davis and has been the major advisor to 22 graduate students (10 PhD and 12 MS). Within his extension program, Joe has given over 880 presentations since 1995. Joe served as the President of three professional societies, including the Western Society of Weed Science (WSWS), California Invasive Plant Council (Cal-IPC), and the WSSA. He was the first editor of the new WSSA journal *Invasive Plant Science and Management*, and served eight years in that capacity. He was the Director of the Weed Research and Information Center in the University of California for 19 years, and served for eight years on the National Invasive Species Advisory Committee and five years on the California Invasive Species Advisory Committee. Among his awards, he received the Lifetime Achievement Award by Cal-IPC, Outstanding Weed Scientist Award by WSWS, and the Outstanding Extension Award by WSSA. He is also a Fellow of both the WSSA and the WSWS. Joe is currently the Interim Chair of the Department of Plant Sciences at UC Davis.

OUTSTANDING GRADUATE STUDENT AWARD

Industry Sponsor: ..... DuPont Crop Protection

MATT JEFFRIES

Matthew Jeffries earned his B.S. in Turfgrass Science and M.S. in Crop Science (concentration: Weed Science) from North Carolina State University. He is currently a Ph.D. candidate under the direction of Drs. Travis Gannon and Fred Yelverton in the Department of Crop and Soil Sciences at North Carolina State University, researching pesticide environmental fate and behavior in turfgrass systems. His dissertation focuses predominantly on herbicide persistence in turfgrass clippings and dislodgement from treated vegetation, with the overarching goal of identifying management practices to reduce herbicide off-target transport and human exposure. Thus far, Matthew has authorship on 31 peer-reviewed publications, six extension publications and 39 scientific abstracts, including 1st place in 2015 ASA, CSSA & SSSA graduate student oral competition. He has taught four Weed Science courses and delivered 16 extension presentations. Awards obtained throughout his graduate career include the 2015 Turfgrass Council of North Carolina Eagle's Award, 2016 ASA, CSSA & SSSA Future Leaders in Science Award, 2016 Weed Science Society of North Carolina Outstanding Ph.D. Student Award and the 2017 Dr. James Watson SAFE Graduate Student Fellowship. Following graduation in 2017, Matthew intends to continue conducting research that benefits the field of Weed Science through an improved understanding of herbicide environmental fate and behavior.

2017 AWARDS

OUTSTANDING PAPER: ***Invasive Plant Science and Management*** **(2015)**

Industry Sponsor: ..... Syngenta

Influence of Intensity and Duration of Invasion by Amur Honeysuckle (Lonicera Maackii) on Mixed Hardwood Forests of Indiana.

IPSM 2015 8(1) 44–56.

JOSH SHIELDS Josh Shields has been connected to natural resources for most of his life. Growing up in Michigan, he spent much of his childhood hiking, hunting, and fishing in the many amazing landscapes of Michigan, as well as other parts of the world. Josh received a B.S. in applied ecology and environmental science from Michigan Technological University, M.S. in forest ecology and forest management (also from Michigan Technological University), and Ph.D. in forestry from Purdue University (focus was on invasive species ecology and management). His experience ranges from forest inventory and timber sales, plant and animal habitat surveys and management, and ecological research and education. Josh is a Certified Forester with the Society of American Foresters (SAF), a certified inspector for the American Tree Farm System (ATFS), and is in the process of pursuing the Certified Wildlife Biologist credential through The Wildlife Society. In 2014 Josh was hired as the forester for the Manistee and Mason-Lake Conservation Districts in Michigan. Josh's primary responsibility is to provide technical assistance to private landowners, as part of the Michigan Forestry Assistance Program (FAP). Josh thoroughly enjoys using his education and experience to help connect science to on-the-ground management decisions. In his spare time Josh enjoys playing guitar with his uncle in "Terry and Josh Acoustic Duo", mixed martial arts, and traveling (in recent years he has had the privilege of seeing such amazing places as Brazil, Hawaii, Belize, Guatemala, and Mexico).

BARNY DUNNING John B. Dunning, Jr. is a Professor of Wildlife Ecology in the Department of Forestry and Natural Resources at Purdue University. He received a B.S. in Biological Sciences from Kent State University (Kent, Ohio) in 1978, where he was elected a member of Phi Beta Kappa. He then received a Ph.D. in Ecology and Evolutionary Biology from the University of Arizona (Tucson) in 1986. Prior to coming to Purdue, Dr. Dunning held positions as a postdoctoral research associate and research scientist at the University of Georgia's Institute of Ecology. He joined the faculty at Purdue in 1994 and was promoted to full professor in 2010. Dr. Dunning teaches courses in environmental conservation, ornithology and conservation biology. He was selected as the College of Agriculture's Outstanding Undergraduate Teacher in 2011 and won the University's Murphy Award for undergraduate teaching in 2012. Dr. Dunning is a wildlife ecologist whose research focuses on the effects of habitat change across large landscapes. He has worked in restored wetlands and grasslands. Most recently he has been an active participant in an interdisciplinary project examining the effects of active forest management on native wildlife of southern Indiana.

Photo by Tom Campbell/ Purdue University.

PATRICK ZOLLNER Patrick A. Zollner is an Associate Professor of Wildlife Ecology in the Department of Forestry and Natural Resources at Purdue University. He received a B.S. in Natural Resources from the University of Michigan in 1989, his M.S. in Wildlife Ecology from Mississippi State University in 1993, and his Ph.D. in Ecology from Indiana State University in 1998. He then worked as a postdoctoral research associate and research scientist for the Northern Research Station of the U.S. Forest Service in Rhinelander Wisconsin. He joined the faculty at Purdue in 2006 and was promoted to associate professor in 2010. Dr. Zollner teaches courses in vertebrate population dynamics, mammalogy and individual based modeling. Dr. Zollner is a wildlife ecologist whose research focuses on combining empirical experiments and landscape level simulation models to investigate the large scale implication of behavioral responses of wildlife to human activities. Simulation models developed in his lab focus upon understanding how to minimize the disturbance of wildlife by recreating humans and investigating how human land use patterns alter the connectivity of landscapes for wildlife species of conservation concern. Species investigated with these models range from American marten through Indiana bats, karner blue butterflies and invasive pythons.

MIKE SAUNDERS Current Professional Position: Associate Professor of Hardwood Silviculture, Department of Forestry and Natural Resources, Purdue University (2013–present)

Previous Experience: Assistant Professor of Hardwood Silviculture, Department of Forestry and Natural Resources, Purdue University (2007–2013); Forest Biometrician, Cooperative Forestry Research Unit, University of Maine (2006–2007); Research Assistant, Acadian Forest Research Program, Department of Forest Ecosystem Sciences, University of Maine (2000–2005), Research Fellow, Department of Natural Resources, University of Minnesota (1998–2000), Research Assistant, University of Minnesota (1995–1998), Lands Intern, Mead Paper, Escanaba, Michigan (1995)

Education and Professional Development: B.S. in Forestry, Iowa State University (1994), B.S. in Fisheries and Wildlife Biology, Iowa State University (1994), M.S. in Forest Resources with emphasis in Silviculture, University of Minnesota (1998), Ph.D. in Forest Resources with emphasis in Silviculture, University of Maine (2006)

Dr. Mike Saunders is currently the Associate Professor of Hardwood Silviculture in the Department of Forestry and Natural Resources at Purdue University, and a scientist within the Hardwood Tree Improvement and Regeneration Center (HTIRC). Mike obtained two B.S.'s from Iowa State in 1994, an M.S. from the University of Minnesota in 1998, and a Ph.D. in 2007 at the University of Maine. His dissertation described spatiotemporal changes in stand structure due to forest harvesting and silvicultural treatments. Dr. Saunders' research seeks to develop robust silvicultural systems that can be used for successful establishment of diverse, high-quality, hardwood-dominated forest types in eastern North America. Mike co-leads the Hardwood Ecosystem Experiment, a large-scale forest management study in southern Indiana that includes scientists from seven universities and agencies. He also has installed a large-scale experiment on Department of Navy lands in southern Indiana that uses prescribed fire and expanding gap-based silvicultural systems to both promote oak regeneration and increase ecosystem resilience. His other major research efforts include understanding the disturbance ecology of eastern hardwood species and the impacts of invasive plant species on the ecology and management of fragmented Midwestern forests.

MIKE JENKINS Mike Jenkins is an Associate Professor of Forest Ecology in the Department of Forestry and Natural Resources at Purdue University. He received a B.S. in Botany and Environmental Biology from Eastern Illinois University in 1989, an M.S. in Forestry from the University of Missouri in 1992 and a Ph.D. in Forest Biology from Purdue University in 1998. Mike then worked for ten years as a vegetation e cologist for the National Park Service in Great Smoky Mountains National Park where he oversaw the long-term vegetation monitoring program. He joined the Purdue faculty in 2008. Mike teaches class in forest habitats, ecosystem science, and disturbance ecology. His research interests include the response of forests to disturbance, ecological effects of invasive species, and long-term change in old-growth forests.

KEVIN GIBSON Kevin Gibson is a Professor of Weed Science in the Department of Botany and Plant Pathology at Purdue University. He received a B.S. in Biology from Indiana University in 1990 and a Ph.D in Ecology from the University of California, Davis in 1998. He joined the faculty at Purdue University in 2001 and was promoted to full professor in 2014. Dr. Gibson teaches courses in weed science, plant ecology, and agroecology. He is a weed ecologist and his research has focused on weed biology and weed management in natural and agricultural systems. Dr. Gibson is also the Project Director of the Sloan Foundation Indigenous Graduate Partnership (SIGP), which seeks to increase the number of Native American students in STEM graduate programs.

2017 AWARDS

OUTSTANDING PAPER: *Invasive Plant Science and Management* (2016)

Industry Sponsor: ..... Syngenta and Cambridge University Press

Plastid DNA Analysis Reveals Cryptic Hybridization in Invasive Dalmatian Toadflax (Linaria dalmatica) Populations. *IPSM* 2016 9(2) 112–120.

ANDREW BOSWELL Andrew Boswell obtained B.S. in Molecular and Cellular Biology at the University of Northern Colorado in 2008 and received his M.S. in Plant Breeding and Genetics in 2012 through Colorado State University. He is currently living in Madison Wisconsin where he works with Dupont: Nutrition and Health as a Scientist in the Bioprocess Department. He oversees the production process for lactic acid cultures in cheese, yogurt, silage, food protectants and probiotics. His areas of interest include improving the overall fermentation quality of silage inoculants and utilization of lactic acid bacteria as a natural food protectant and preservative.

SHARLENE E. SING Sharlene E. Sing is a research entomologist with the USDA Forest Service's Rocky Mountain Research Station in Bozeman, MT (http://www.fs.fed.us/rmrs/people/ssing). Her research focus is classical biological control of weeds. She received her M.Sc. in Natural Resource Sciences from McGill University (Montréal, QC) and Ph.D. from Montana State University – Department of Land Resources and Environmental Sciences (Bozeman, MT).

SARAH WARD Sarah Ward is originally from the U.K. where she obtained a B.Sc. in Plant Sciences from the University of London. She worked on agricultural development projects for two years in Ecuador before moving to the U.S. as a graduate student. Sarah is currently Associate Professor of Plant Genetics in the Department of Soil and Crop Sciences, Colorado State University, where her research focuses on population biology and genetics of weedy and invasive plant species.

2017 AWARDS

OUTSTANDING PAPER: ***Weed Science***

Industry Sponsor: ..... BASF and Cambridge University Press

Field Application of Glyphosate Induces Molecular Changes Affecting Vegetative Growth Processes in Leafy Spurge (Euphorbia esula)

Weed Science 64(1)87–100 (2016); Dogramaci, M., Gramig, G., Anderson, J.V., Chao, W, Foley, M.S.

MUNEVVER DOGRAMACI Dr. Munevver Dogramaci is a Research Molecular Biologist at USDA-ARS, Sunflower and Plant Biology Research Unit, Fargo, ND. She earned her Ph.D. in Molecular Genetics/Cytogenetics from a collaborative Ph.D. program between Cukurova University, Adana, Turkey, North Dakota State University, and USDA-ARS Cereal Crops Research, Fargo, ND in 2000. Dr. Dogramaci is recognized for her research accomplishments in developmental biology, weed physiology, genomics, and bioinformatics. Some of her accomplishments include understanding the impact of environmental and chemical treatments on molecular networks regulating dormancy and vegetative growth in perennial weeds. Prior to joining the USDA-ARS, she made significant contributions related to germplasm enhancement, classical and molecular cytogenetics, and production of haploids/doubled-haploids in Triticeae family.

GRETA GRAMIG Dr. Greta G. Gramig is an Associate Professor in the Department of Plant Sciences at North Dakota State University. She holds B.A. and B.S. degrees from Montana State University, and M.S. and Ph.D. degrees from the University of Wisconsin-Madison. Dr. Gramig teaches courses about weed identification and weed biology and ecology. Dr. Gramig's current research interests include nonchemical weed control, weed ecology, and weed management in organic production systems.

JAMES ANDERSON Dr. James V. Anderson is a Research Chemist/ Lead Scientist with the USDA-ARS Sunflower and Plant Biology Research Unit in Fargo, ND, an adjunct faculty member in the Department of Plant Sciences at North Dakota State University, and a WSSA Fellow. He received a B.S. in Biology from the University of Wisconsin-Eau Claire, an M.S. in Chemistry from South Dakota State University, and a Ph.D. in Plant Physiology from Virginia Polytechnic Institute and State University. His research at the USDA-ARS involves establishing genomics programs aimed at understanding how environmental factors and plant signaling networks interact to regulate plant architecture, growth and development.

WUN CHAO Dr. Wun S. Chao is a Research Molecular Geneticist of the USDA-ARS Sunflower and Plant Biology Research Unit in Fargo, ND. He earned his Ph.D. in Botany/Plant Genetics from the University of California, Riverside in 1996. Dr. Chao has been engaged in investigating molecular mechanisms and biochemical pathways on growth and development of a perennial weed, leafy spurge (Euphorbia esula) for 16 years. Since 2015, his research has been involved in investigating cold hardiness on canola and camelina. Dr. Chao's expertise is in the areas of gene regulation, plant development, and plant molecular biology.

MICHAEL FOLEY Dr. Michael E. Foley is Research Leader of the USDA-ARS Sunflower and Plant Biology Research Unit in Fargo, ND and a WSSA Fellow. He earned a Ph.D. in Agronomy/Weed Science from the University of Illinois in 1982. As Research Leader, he guides applied and fundamental research on oilseed crops and diseases. Dr. Foley's personal research interests relate to seed and bud dormancy in weedy plants.

2017 AWARDS

OUTSTANDING PAPER: ***Weed Technology***

Industry Sponsor: ..... BASF and Cambridge University Press

Evaluating Cover Crops and Herbicides for Glyphosate Resistant Palmer Amaranth (Amaranthus palmeri) Control in Cotton.

Weed Technology, 30:415–422 (2016). Wiggins, M., Hayes, R.M., Steckel, L.

MATTHEW WIGGINS Matthew Wiggins grew up in rural West Tennessee where he and his brothers owned and operated a diversified vegetable operation and raised registered Polled Hereford cattle. This involvement in agriculture through 4-H and FFA led to Matthew to pursue an education in agriculture. He then enrolled at Tennessee Technological University in August 2006 and received a Bachelor of Science in Agriculture, with an emphasis in Agricultural Engineering Technology in December 2009. Upon graduation, he accepted the position of Graduate Research Assistant in the graduate program at The University of Tennessee and achieved a Master of Science degree in Plant Sciences in May 2012. Matthew's research focused evaluating cotton cultivar response in various climate and moisture regimes. Upon graduation, Matthew continued his education at the University of Tennessee pursing a Ph.D. in Plant, Soils, and Insects with an emphasis in Weed Science under the direction of Dr. Larry Steckel. His Ph.D. research focused on herbicide-resistance management by integrating winter-annual cover crops and herbicide programs to control Palmer amaranth in corn, cotton, and soybean systems. After graduation, Matthew accepted a position with Monsanto Company in Iowa. Currently, Matthew is a Technical Service Manager with FMC covering Tennessee, Kentucky, Alabama, and the Missouri Bootheel.

ROBERT M. HAYES Robert M. Hayes, Professor and Director, UT West Tennessee Research and Education Center, is from Parsons (Decatur County), Tennessee. He was educated in local public schools, attended the University of Tennessee at Martin, receiving his B.S. from The University of Tennessee, Knoxville, in 1968, and after serving two years in the US Army, he received his Ph.D. from University of Illinois in 1974. Dr. Hayes joined the faculty at the University of Kentucky as Assistant Professor of Agronomy. In 1978, he joined The University of Tennessee Department of Plant and Soil Sciences at the West Tennessee Experiment Station. Dr. Hayes primary responsibility was to develop weed management systems for conservation tillage cropping systems that were effective, economical and environmentally sustainable. His efforts were integrated with a team of colleagues that have made Tennessee one of the leading states in the adoption of conservation tillage cropping systems that conserve our soil and water resources.

Although not located on the main campus, he has served as major professor for 7 Ph.D's.and 9 Master level students and served on the advisory committee of 9 Ph.D's and 11 Master degree students. He has authored or co-authored 2 book chapters, 58 refereed journal articles, 79 research reports, 240 abstracts, and 15 popular articles. His clientele includes producers, consultants, research and extension colleagues, policy makers, media personnel, regulatory agencies and the general public. Dr. Hayes is a recognized expert for weed management systems in conservation tillage cropping systems. He was the first to report glyphosate-resistant horseweed in the MidSouth and has led the research program to develop effective strategies to manage weeds in cotton, corn and soybean. His insights are sought by a diverse clientele.

Dr. Hayes is a member of Southern Weed Science Society, International Weed Science Society, Council for Science and Technology, and he is a member and Fellow of the Weed Science Society of America. He is Past-President of the SWSS and has served as an Endowment Trustee. He received the SWSS Distinguished Service Award, Progressive Farmers 2002 Man of the Year in Service to Tennessee Agriculture Award, and the UT Institute of Agriculture Research Impact Award. Dr. Hayes was presented the 2002 S. H. Phillips Distinguished Lecture in No-tillage Agriculture at the University of Kentucky. He has also served as Associate Editor of *Weed Technology* and as Associate Editor of Weed Science, and Technical Editor

for the Journal of Cotton Science. He serves his discipline as a reviewer and through several committees.

Bob is a graduate of WestStar and the ESCOP and ACOP Leadership Development Programs. Dr. Hayes has been invited to present his research in Germany, France, Columbia, and Argentina and has served as host for numerous international groups touring no-till research at the Research and Education Centers at Jackson and Milan. He served as Interim Superintendent of the West Tennessee Experiment Station until October 2002, when he was named the sixth superintendent of the station. His title was changed to Director after the name was changed to West Tennessee Research and Education Center. He continues to hold the title of Professor in the Department of Plant Sciences.

LAWRENCE STECKEL Dr. Steckel is a Professor in the Plant Sciences Department at the University of Tennessee where he holds a weed science extension (75%) and research (25%) appointment. Dr. Steckel received his Ph.D. in 2003 from the University of Illinois, his M.S. in 1989 from the University of Missouri and his B.S. in 1987 from Western Illinois University. He was employed as an agronomist for Pioneer Hi-Bred from 1989 to 1999 in southern Illinois.

Although not located on the main campus, he has served as major professor for 3 Ph.D. and 3 Master's level students and has served on the advisory committee of 4 Ph.D. and 2 Master's degree students. He has authored or co-authored one book chapter, 62 refereed journal articles and over 250 popular press articles. His clientele includes producers, consultants, research and extension colleagues, policy makers, media personnel, regulatory agencies and the general public.

Dr. Steckel is a recognized expert in herbicide resistant weed management. He and his colleagues were the first to report glyphosate-resistant goosegrass in the Western Hemisphere and glyphosate-resistant Palmer amaranth in the MidSouth. Currently, Dr. Steckel maintains an extensive applied research program on weed management in agronomic crops in Tennessee. His research focus is on the study of the biology and management of glyphosate-resistant horseweed and Palmer amaranth. These weeds have caused Tennessee growers the most issues in recent years and is where Dr. Steckel directs most of his efforts. Awards include: Conservation Systems Cotton Researcher of 2016. National Conservation Systems Cotton and Rice Conference; WSSA Extension Award. 2015. Weed Science Society of America; The University of Tennessee AgResearch Impact Award. 2013; Excellence in Extension Award of Merit. 2012. The University of Tennessee Chapter of Gamma Sigma Delta; The outstanding person in Tennessee award. 2011. Presented by the Tennessee Agricultural Production Association in recognition of outstanding research and extension programs; The Dutch and Marilee Cavender Publication Award. 2006. Presented for the Web-Based Weed Identification Series; The Dutch and Marilee Cavender Publication Award. 2004. Presented for the Tennessee Weed Control Manual.

OUTSTANDING EARLY CAREER WEED SCIENTIST

Industry Sponsor: ..... BASF

AMIT JHALA Amit Jhala completed his B.S. (Agriculture) and M.S. (Weed Science) from Gujarat Agricultural University, India. He was selected for an international fellowship sponsored by the Belgian government and spent a year at Ghent University, Belgium, during which time he visited several universities in Europe. Amit completed his Ph.D. from the University of Alberta, Canada in 2009, after which he completed postdoctoral experiences at the University of California—Davis and the University of Florida.

Since August 2012, Amit has served as a weed science faculty member at the University of Nebraska-Lincoln (UNL) with a split appointment between research and extension. Amit's research program at UNL is focused on the biology, gene flow, and management of herbicide-resistant weeds, through which he is specifically interested in pollen-mediated gene flow from herbicide-resistant crops and weeds. His paper published in Heredity (a journal of the Nature Publishing Group) about gene flow was not only recognized by the journal, but the paper led to a commentary published in the same issue of Heredity discussing the statistical methods used in the study to determine the minimum sample size needed to detect gene flow.

Amit is an early career weed scientist with 62 papers published/accepted in peer-reviewed journals, of which he is the first or senior author on 49. Additionally, he has published 11 book chapters. Amit has graduated two M.S. students and two Ph.D. students at UNL, in addition to currently supervising two postdoctoral fellows, two Ph.D. students, and two M.S. students as a major advisor and serving as a committee member for four other graduate students.

Amit has developed a weed science extension and outreach program in the state of Nebraska that promotes a more sustainable corn and soybean production system by teaching the principles of safe and cost-effective weed management. Amit is a coordinator of the Crop Production Clinics (CPCs), the largest Extension program in the Nebraska Extension system. On average, 1,500 to 1,800 clientele attend CPCs across nine locations in Nebraska annually, many of whom obtain pesticide recertification through CPCs. Amit also organizes Corn and Soybean Weed Management Field Days and Herbicide-Resistant Weed Management Field Days attended by 100 to 150 clientele every year. In addition, Amit serves on the Board of Directors for the North Central Weed Science Society as the Chair of the Extension Section and serves on several committees of the WSSA. Amit was honored with Distinguished Achievement Young Scientist Award from the North Central Weed Science Society in Dec. 2016.

OUTSTANDING INDUSTRY AWARD

Sponsor: ..... WSSA

ARLENE COTIE Arlene Cotie is senior product development manager in the Agronomic Development Team for Development North America for Bayer. Arlene grew up on a farm in Saskatchewan, Canada, and presently owns and manages the farm her great grandfather homesteaded. She received a diploma in agriculture from the University of Saskatchewan and has spent her entire life and career in agriculture.

Learning the ropes as a breeding and production agronomist with Plant Genetic Systems, she then established a winter nursery oilseed production site in Australia with Agrevo, managed breeding operations at Aventis in Saskatchewan, before moving to the U.S. to launch LibertyLink soybeans.

Arlene joined Bayer in 1993 and over the years she had been a leader in international product development, seed production and quality assurance for seeds and traits. As senior product development manager, she is responsible for the technical development of Liberty herbicide and Bayer's integrated weed management program called Respect the Rotation. Her passion for agriculture and commitment to ensure sustainability for the next generation on her family farm and all farms drives her gregarious approach and tenacious position to Agvocate, educate and support the fight against weeds.

Arlene is the Communication Chair for the Global Herbicide Resistance Action Committee and is an active member of the US Herbicide Resistance Action Committee, North Central Weed Science Society, Southern Weed Science Society, Weed Science Society of America, American Seed Trade Association, Chicago Booth Executive Education and Executive Women in Ag.

OUTSTANDING REVIEWER AWARDS

Sponsor: ..... WSSA

AMAN CHANDI Hailing from an agricultural community in the largest grain producing state (Punjab) of India, Aman was raised up in an environment that inculcated in her the love for plants quite spontaneously. Daughter of a biology teacher and an aquatic weed scientist, plants fascinated her and she developed a desire to learn more about them very early in her life. Aman completed her Masters in Agronomy in 2005 from Punjab Agricultural University, with her thesis focused on control of Littleseed Canarygrass in wheat with Acetolactate synthase (ALS) and Acetyl CoA Carboxylase (ACCase) inhibitors. After completing her Masters, she worked as a Senior Research Associate at the University on a project dedicated at accessing ALS residues in sub-soil in wheat cropping systems in North India. Aman joined North Carolina State University (Raleigh, NC, USA) in 2007 to pursue Ph.D. in Crop Science. During her doctoral studies, Aman's research projects concentrated on characterization and control of herbicide resistant weeds in corn, soybean, cotton, peanuts, and wheat. Aman worked as Post-Doctoral Research Scholar at NC State before joining DuPont as a Research Scientist in 2013. In her current role as Herbicide Discovery Scientist at DuPont Crop protection, she leads higher tier cereals screening aimed at providing strong biological technical results requisite to discovery of novel mode of action herbicide active ingredients qualified for commercial development. As a lead biologist, Aman leads efforts to optimize chemistry by working closely with synthesis chemists, field development scientists, biochemists, and environmental scientists. Her role also involves application of knowledge of current and evolving weed control practices in diverse markets and crops to assess new chemistry for fit against product concepts. She also focuses on continuous improvement of existing herbicide screens, and development, validation and implementation of new screens to answer dynamic questions. She also mentors new talent by providing training in processes, practices and awareness about core values. She also serves as the chair of Safety Awareness Committee for herbicide biology group. Over ten years of work experience in a developing and a developed country has provided her with unique perspective to understand the current and emerging problems facing agriculture and devise sustainable solutions. Aman enjoys her work and is grateful for the opportunities she has had so far in her career which enabled her to be involved with cutting edge research aimed at making global agriculture sustainable.

ALBERT AYENI Albert Ayeni (Ph.D.) was born in Lagos, Nigeria and raised in Iffe-Ijumu, Kogi State. He had his primary and secondary education in Kogi State, higher school education at Federal Government College, Sokoto, and first degree in Crop Science at the University of Ibadan, Nigeria. He earned his M.S. and Ph.D. (Weed Science) degrees from Cornell University, Ithaca, New York. Ayeni was a member of faculty at the University of Ibadan's Faculty of Agriculture and Forestry for 17 years after which he joined Rutgers, the State University of New Jersey in 1995. At Rutgers Ayeni has served in different capacities as professor (research, education and outreach) and administrator of International Programs. He is Leader of Entrepreneurship Ag Program; Associate Director, Global Institute for BioExploration-Africa (GIBEX-Africa), Co-Director, International Science and Education (ISE), Coordinator of Controlled Environment Agriculture and Africa Regional Programs; and Assistant Teaching Professor at Rutgers' School of Environmental and Biological Sciences (SEBS), New Brunswick, New Jersey. He is an adjunct professor at Africa's University of Science and Technology, Abuja, Nigeria. Professionally, Ayeni has contributed over 140 scientific papers including refereed journal articles, proceedings, fact sheets, chapters in books, invited papers, etc. He has directed several Ph.D. and M.S. research projects, supervised and mentored several undergraduate students in Nigeria and the United States. As a scholar Ayeni has garnered and contributed to research grants totaling >$20 million as Principal Investigator (PI) or Co-PI. His current research focus is specialty crop adaptation to New Jersey and the Mid-Atlantic United States. As Assistant Director of International Programs at Rutgers, Ayeni linked Rutgers University to 14 African Universities and Research Institutions in 12 countries. He has been a reviewer for Weed Science since 2001 and was Associate Editor from 2003–2007. He served as Chair, Awards Committee, Association for International Ag and Rural Development (AIARD) from 2005–2015. He also served as Chairman of the Planning Committees for the Nigerian Diaspora Organization in the Americas (NIDOA) World Conference (2010), CDPGS/NIDOA-NJ Education Summit (2011) and NIDOA World Investment Conference (2013). He was a consultant to the United States Association for Public and Land-grant Universities (APLU) from 2013-2014. In this capacity he worked with a 4-member team of scholars to produce the "BIFAD Review of Strategic Human and Institutional Capacity Development (HICD): Issues and the Role of USAID and Title XII under the Feed the Future Programs". He was recipient of the Weed Science Society of Nigeria's (WSSN) Distinguished Pioneer award in 2016. Ayeni is married to Funmi, together they have three sons and five grandchildren.

WSSA PUBLIC SERVICE AWARD

Sponsor: .....Monsanto

MICHAEL BARRETT Michael Barrett received his B.S degree from the University of Massachusetts, his M.S. degree from the University of Connecticut, and was awarded the Ph.D. in Botany from the University of California – Davis in 1980. He also studied in the laboratory of Dr. Francis Durst at the Insitut de Biologie Moléculaire des Plantes of the Université Louis Pasteur Strasbourg, France during a six-month sabbatical leave. He is a graduate of the 2002 ESCOP/ACOP Leadership Training Program. He served as a State Extension Specialist and Assistant Professor in Weed Science from 1980 to 1983 at Michigan State University before joining the faculty at the University of Kentucky in 1983. He was named Chair of the department in 1999 and served in that capacity until 2009. Dr. Barrett has published in the area of plant responses and selectivity to herbicides. His research has been supported by USDA-NRI, USDA Specific Cooperative Agreement, commodity group, and industry grants. He has served on numerous graduate committees during his career with seventeen students completing their degrees with him as their major advisor. Dr. Barrett was recognized as the "Outstanding Young Weed Scientist" by the Weed Science Society of America in 1992 and received the "Outstanding Research Award" from the same organization in 2001. He is a Fellow of the Weed Science Society of America and North Central Weed Science Society. He served as President of the Weed Science Society of America in 2011–2012. He is currently serving in the role of Weed Science Subject Matter Expert to the EPA on behalf of the Weed Science Society of America. Currently research interests of Dr. Barrett include roadside and other non-crop vegetation management, development of a 2,4-D tolerant red clover variety, mode of action of the herbicide methiozolin, and the basis for atrazine tolerance in switchgrass. This work is supported by grants from the USDA and the Kentucky Transportation Cabinet.

WSSA FELLOW AWARDS

Sponsor: ..... WSSA

NILDA BURGOS Nilda Roma-Burgos received a B.S. Agriculture-Soil Science degree from the Visayas State College of Agriculture, Philippines in 1983 and her M.S. and Ph.D. degrees in Agronomy from the University of Arkansas, Fayetteville in 1994 and 1997, respectively. She was Field Biologist for Zeneca Ag Products from 1997–1998 and served as Faculty at the University of Arkansas since October 1998. Dr. Burgos conducts research on basic and applied aspects of weed physiology, molecular weed biology, and weed management; specifically, herbicide-resistant weeds; gene flow; evolution of weedy traits; weed population genetics; management options for weedy and volunteer rice; and weed management options for specialty crops. She has taught Principles of Weed Control (2000–2006), Weed Physiology and Herbicide Resistance in Plants in alternate years (1999–2009), Physiology of Plant-Herbicide interaction (2015), Ecology and Morphology of Weedy and Invasive Species since 2011; team taught Weed Science Practicum and co-coached the University of Arkansas Weed Team since 1999, and Advanced Crop Science in 2014 and 2016. Dr. Burgos was one of the pioneering UA Faculty Team that established the Global Community Development Service Project in Belize in 2006 and served as mentor for students participating in this program from 2007 to 2011. She also initiated the International Research Experience Program for the UA College of Agriculture, which was launched in 2012. Dr. Burgos has served as resource speaker and invited lecturer for seminars, trainings, workshops, or conferences in the US and other countries including Bolivia, Brazil, China, Costa Rica, India, Nicaragua, Peru, Thailand, the Philippines, Uruguay, and Vietnam. She has served as Major Advisor or co-Advisor of 18 M.S. and 19 Ph.D. students; advised 5 undergraduate honors student research; and served on 33 graduate student committees. Dr. Burgos has served as Secretary and Chair of the SWSS Resistance Committee over several years; Secretary and Chair of the SWSS Foundation; member of the Outstanding Young Scientist Award Committee; member of the SWSS Weed Contest Committee across several years; Associate Editor of the Weed Science journal. She led the assembly and co-edited the Special Issue on Research Methods in Weed Science. She was elected as Secretary-Treasurer of the International Weed Science Society (2008–2012), Vice-President of IWSS for 2012–2016, and President of IWSS for 2016–2020. She has authored and co-authored 81 refereed journal articles, 1 book and 2 book chapters, and 10 extension/nontechnical publications. She has presented 20+ invited lectures and seminars for local/regional educational outreach and Extension workshops and served as resource speaker for 16 seminars/trainings/workshops in 9 countries.

WSSA FELLOW AWARDS (cont.)

Sponsor: ..... WSSA

RICHARD ZOLLINGER Dr. Zollinger grew up in the position of 'slave labor" under five older, authoritative brothers in a family farming operation with livestock and crop production farms in Utah, Idaho, Montana, and British Columbia, Canada. He spent most summers hand rouging feral rye and doing the despicable jobs that his brothers would not do. This torture instilled vengeance and gave him the clarity to pursue weed science as a career for retribution.

After Dr. Zollinger committed mutiny from the farm he received his B.S and M.S. at Utah State University. He tried to get as far away from the farm as possible and received his Ph.D. in Weed Science at Michigan State University in 1988. He began his academic career at North Dakota State University in 1990 being tutored by great weed scientists, such as John Nalewaja, Alan Dexter, and Cal Messersmith. Validating his life's motto of "Accidents Happen" he is currently Professor of Weed Science and an Extension Weed Specialist. He has a 90:10 extension:research appointment (more accurate as 90% fun and 10% work).

His traditional weed science contributions have resulted in normal mentoring students, conducting weed control research, and authoring and coauthoring over 200 journal and extension publications. His knack for throwing candy bars at sleeping participants in extension meetings has resulted in an average of over 100 presentations per year. Each year over 20,000 North Dakota Weed Control Guide are published which growers refer to as the "Weed Bible". Some of his less traditional contributions have been writing over 140 Section 18 herbicide registrations in minor acreage crops, serving as the IR-4 liaison for North Dakota and successfully competing with California and 'rim' states for over 100 IR-4 pesticide research projects. Dr. Zollinger has attempted to follow in the shadow of Dr. John Nalewaja and develop an internationally recognized adjuvant, formulation, and water quality research and testing program. He, with Dr. Don Penner, has been lone academicians in the adjuvant societies of ASTM (American Society of Testing and Materials) and ISAA (International Society of Adjuvants for Agrochemicals). Dr. Zollinger's later-life's ambition is to make his wife's life extraordinarily sublime for the sacrifices she has made.

PREVIOUS WSSA AWARD WINNERS

OUTSTANDING PAPER IN *WEED SCIENCE*

1964 - R.N. Andersen
A.J. Linck
R. Behrens
M.L. Weaver
R.E. Nyland
1966 - J.H. Ohman
T. Kommedahl
L.L. Jansen
1967 - L.L. McCormick
A.E. Hiltbold
1968 - R. Prasad
C.L. Foy
A.S. Crafts
1969 - C.R. Swanson
H.R. Swanson
1970 - J.B. Weber
S.B. Weed
T.M. Ward
1971 - L. Thompson, Jr.
F.W. Slife
H.S. Butler
1972 - R.D. Gruenhagen
D.E. Moreland
1973 - J.L. Hilton
M.N. Christiansen
1974 - J.T. Daniel
G.E. Templeton
R.J. Smith, Jr.
W.T. Fox
1975 - A.D. Worsham
1976 - R. Parker
M.C. Williams
1977 - J.M. Anderson
C.G. McWhorter
1978 - C.G. McWhorter
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
1983 - R.A. Evans
D.A. Easi
D.N. Book
J.A. Young

1984 - E.P. Flint
D.T. Patterson
1985 - E.E. Schweizer
R.L. Zimdahl
1986 - M.R. Pareja
D.W. Staniforth
1987 - R.N. Paul
S.O. Duke
W.H. Kenyon
1988 - S.L. Sherrick
H.A. Holt
F.D. Hess
1989 - P.J. McCall
1990 - D.A. Mortensen
H.D. Coble
1991 - W.H. Ahrens
1992 - J.M. Shribbs
D.W. Lybecker
E.E. Schweizer
1993 - J.S. Holt
D.R. Orcutt
1994 - L.J. Wiles
G.G. Wilkerson
H.J. Gold
H.D. Coble
1995 - D.A. Derksen
A.G. Thomas
G.P. Lafond
H.A. Loeppky
C.J. Swanton
1996 - C.G. McWhorter
R.N. Paul
J.C. Ouzts
1997 - M. Jasieniuk
A.L. Brule-Babel
I.N. Morrison
1998 - F. Forcella
R.P. King
S.M. Swinton
D.D. Buhler
J.L. Gunsolus
1999 - C.V. Eberlein
M.J. Guttieri
J. Steffen-Cambell
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
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
2015 – J.F. Egan
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

OUTSTANDING PAPER IN *WEED TECHNOLOGY*

1988 - S.O. Duke
J. Lydon
1989 - R.J. Smith
1990 - R.J. Kremer
N.R. Spencer
1991 - B.D. Maxwell
M.L. Roush
S.R. Radosevich
1992 - R.D. Cousens
1993 - M. Sattain
G. Zanin
A. Berti
1994 - G. Kapusta
R. Krausz
1995 - T.M. Webster
M.M. Loux
E.E. Regnier
S.K. Harrison
1996 - I. A. Bello
M.D.K. Owen
H.M. Hatterman-Valenti
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
2002 - C. Leger
S.G. Hallett
A. K. Watson
2003 - L.W. Lass
D.C. Thill
B. Shafii
T.S. Prather
2004 - H.J. Beckie
K.J. Kirkland
2005 - W.W. Donald
W.G. Johnson
2006 - A.S. Sciumbato
J.M. Chandler
S.A. Senseman
R.W. Bovey
K.L. Smith
2007 - S.B. Powles
C. Preston
2008 - M.P. Blair
S.M. Zedaker
J.R. Seiler
P.L. Hipkins
P.L. Burch
2009 - A. Légère
F.C. Stevenson
N. Ziadi
2010 – H.J. Beckie
X. Reboud
2011 – R. A. Mischler
W.S. Curran
S.W. Duiker
J. A. Hyde
2012 - S. Fogliatto
F. Vidotto
A. Ferrero
2013 - G. Evans
R. Bellinder
R. Hahn
2014 - R. Werle
M.L. Bernards
L.J. Giesler
J.L. Lindquist
2015 - M.J. Walsh
S.B. Powles
2016 - L.L. Beck
A. Patton
Q. Law
D.V. Weisenberger
J.T. Brosnan
J.J. Vargas Almodovar
G.K. Breeden
D.A. Kopsell

OUTSTANDING PAPER IN *INVASIVE PLANT SCIENCE AND MANAGEMENT*

2010 - S.M. Ward
C.E. Fleischmann
M.F Turner
S.E.Sing
2011 - K.M. Goodwin
R.E. Engel
D.K. Weaver
2012 – C.S. Jarnevich
T.R. Holcombe
D.T. Barnett
T.J. Stohlgren
J.T. Kartesz
2013- A. Herrera-Reddy
R. Carruthers
N. Mills
2014 - J. Gaskin
M. Schwarzlander
H. Hinz
L. Williams III
E. Gerber
B. Rector
D. Zhang
2015 – J. Leary
B.V. Mahnken
L.J. Cox
A. Radord
J. Yanagida
T. Penniman
D.C. Duffy
J. Gooding
2016 – J. M. Shields
M.A. Jenkins
M.R. Saunders
K.D.Gibson
P.A. Zollner
J.B. Dunning, Jr.

OUTSTANDING TEACHER AWARD

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

OUTSTANDING EXTENSION AWARD

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

OUTSTANDING RESEARCH AWARD

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

OUTSTANDING INDUSTRY AWARD

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

OUTSTANDING GRADUATE STUDENT AWARD

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

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

OUTSTANDING REVIEWER AWARD

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

WSSA FOUNDER AWARD

1974 - R.H. Beatty

WSSA ORIGINAL HONORARY MEMBERS*

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

WSSA PUBLIC SERVICE AWARD*

2015 – D.R. Shaw
2016 – J. Schroeder

WSSA FELLOWS*

1970 - W.C. Shaw
F.W. Slife
1971 - W.A. Harvey
L.G. Holm
D.D. Hemphill
1972 - B.E. Day
W.H. Minshall
1973 - E.K. Alban
W.R. Furtick
R. Behrens
G.C. Klingman
1974 - D.L. Klingman
R.D. Sweet
P.W. Santelmann
L.L. Danielson
1975 - D.E. Davis
J.R. Hay
E.G. Rodgers
R.P. Upchurch
1976 - A.P. Appleby
R.D. Ilnicki
D.E. Moreland
1977 - E.L. Knake
C.G. McWhorter
H.S. Friesen
L. Southwick
1978 - O.H. Fletchall
J.L. Hilton
H.M. LeBaron
D.W. Staniforth
1979 - H.P. Alley
R.E. Frans
K.C. Hamilton
T.J. Sheets
A.F. Wiese
1980 - J.D. Bandeen
S.N. Fertig
C.L. Foy
L.S. Jordan
R.A. Peters
1981 - J.F. Ahrens
L.H. Hannah
W.F. Meggitt
R.R. Romanowski
C.R. Swanson
1982 - J. Antognini
G.H. Bayer
J.H. Dawson
C.L. Switzer
R.B. Taylorson
1983 - R.N. Anderson
W.D. Carpenter
J.E. Gallagher
D.L. Linscott
L.W. Mitich
1984 - G.A. Buchanan
W.A. Gentner
M.M. Schreiber
R.L. Zimdahl
1985 - S.R. McLane
J.F. Miller
W.J. Saidak
E.E. Schweizer
R.J. Smith, Jr.
J.B. Weber
1986 - L.C. Burrill
R.D. Comes
R.A. Evans
R.H. Schieferstein
1987 - F.M. Ashton
J.W. Herron
G.R. Miller
M.G. Merkle
J.D. Nalewaja
W.H. Vanden Born
1988 - D.E. Bayer
G.H. Friesen
M.C. McGlamery
J.A. Meade
A.R. Putnam
J.D. Riggleman
1989 - O.C. Burnside
W.R. Mullison
E.C. Spurrier
G.R. Stephenson
L.M. Wax
A.D. Worsham
1990 - S.W. Bingham
R.W. Bovey
T.J. Monaco
E.W. Stoller
E.W. Stroube
R.E. Talbert
1991 - R.M. Devlin
T.L. Lavy
M. Newton
C.J. Scifres
B. Truelove
J.A. Young
1992 - R.J. Aldrich
C.C. Dowler
S.O. Duke
C.G. Messersmith
A.G. Ogg, Jr.
J.V. Parochetti
1993 - R.E. Doersch
C.L. Elmore
R.E. Eplee
J.O. Evans
L.R. Oliver
D. Penner
W.V. Welker
1994 - J.R. Abernathy
J.R. Baker
J.F. Ellis
R.E. Hoagland
G. Kapusta
W.A. Skroch
1995 - E.F. Eastin
A.S. Hamill
K.K. Hatzios
H.D. Tripple
H.J. von Amsberg
H.P. Wilson
1996 - F.L. Baldwin
W.L. Barrentine
P.C. Bhowmik
J.C. Graham
F.D. Hess
A.E. Smith
1997 - H.D. Coble
R.G. Harvey
R. Prasad
R.L. Rogers
M. Singh
W. W. Witt
1998 - J.L. Barrentine
M.D. Devine
A.G. Dexter
C.V. Eberlein
S.D. Miller
P.S. Zorner
1999 - I. Morrison
D.S. Murray
R. Norris
H.D. Skipper
D.C. Thill
D. Wauchope
2000 - L.K. Binning
N.D. Camper
R. Charudattan
J.S. Holt
D.L. Shaner
G.A. Wicks
2001 - C.E. Beste
R.R. Hahn
A. Legere
A. Martin
R.D. Williams
G. Wills
2002 - R.E. Blackshaw
J.M. Chandler
J. Doll
J.C. Hall
D. Shaw
S.C. Weller
2003 - S.A. Dewey
R.M. Hayes
R. Nishmoto
A. Watson
T. Whitson
J.W. Wilcut
2004 - B.J. Brecke
J.L. Griffin
A.E. Miller
M.K. Upadhyaya
2005 - D.D. Buhler
J. McFarland
M.D.K. Owen
C.J. Swanton
2006 - M.E. Foley
J.J. Kells
R.G. Lym
A.C. York
2007 - K.N. Harker
R.J. Kremer
B.A. Majek
K. Vaughn
2008 - M.A. Locke
R. Wilson
C. Mallory-Smith

WSSA FELLOWS* (cont.)

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

HONORARY MEMBERS*

1974 - Hans Gysin
1975 - A. John Speziale
1976 - Keith C. Barrons
1978 - John D. Fryer
1979 - Menashe Horowitz
1980 - Virgil H. Freed
1981 - Les J. Mathews
1982 - Gideon D. Hill, Jr.
1983 - Shooichi Matsunaka
1985 - Abed R. Saghir
1986 - Beatriz L. Mercado
1987 - Yang-han Li
1988 - Werner Koch
1989 - Tetsuotakema Tsu
1990 - Agustin Mitidieri
1991 - Okezie Akobundu
1992 - Jonathan Gressel
1993 - Hwan Seung Ryang
1994 - Peter Böger
1995 - Keith Moody
1966 - Su Shao Quan
1997 - Stephen B. Powles
1988 - Jens C. Streibig
1999 - Jost Harr
2000 - Allan Walker
2001 - Baruch Rubin
2002 - Karl Hurle
2003 - Helmut Walter
2004 - Aldo Alves
2005 - Aurora Baltazar
2006 - Robinson A. Pitelli
2007 - Bernal E. Valverde
2008 - R. Labrada Romero
2009 - H. Matsumoto
2010 - No Award
2011 - R. Cousens
2012 - C. Baskin
J. Baskin
2013 – No Award
2014 - P. Kudsk
2015 – S. Singh
2016 – J.L. Gonzalez-Andujar

*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
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

UNDERGRADUATE RESEARCH AWARD

1992 - J. Picketts
B. Thorpe
1993 - G. Chammas
J. Sweat
1994 - B.A. Galloway
R. Lunsford
J. Murthy
W.B. White
1995 - E. Miller
S. White
S. Steed
T. Bradford
1996 - J. Baumgartner
W. Pline
C. Flore
A. Solie
1997 - L. Fandrich
T. Frey
M. Furlong
I. King
G. Penny
1998 - S.J. Gray
L. Milliman
G. Horsman
A.S. Franssen
J.J. Reilly
J. Nguyen
A. Anchieta
1999 - B. Birch
H. Chaffey
J. Choy
J. Groeteke
N. Klenk
M. Kuchuran
C. Sykes
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
2002 - B. Dixon
P. Buck
S. Schoesk
H. Shriner
M. Naveed
V. Davis
L. Bewick
2003 - K. Branum
K. R. Dawson
R. Kennedy
E. La Malfa
R. Lynch
M. Stanford
B. Webster
2004 - J. Flagg
C. Curran
T. Gaines
2005 - H. Spalholz
M. Pinch
D.R. Drost
V. Lee
M. Lockhard
K. Cockburn
A. Haji
2006 - D. Heggenstalled
K. Campbell
M.L. Blanchard
A. Hecker
M.F. Rollins
J. Vassios
Z. Isaacson
2007 - C. Thompson
L. Rehak
S. Tarolli
J. Walter
C. Fleischmann
S. Rousonelos
L.M. Kuehl
R.L. Roten

2008 - T. Brummer
G. J. Miles
R. M. Thomas
A. J. Paik
C. Lange
V. A. Johnson
L. Daconti
A. Zwainz
2010 - R. Marks
A. Weiler
A. Ryan
D. Triebwasser
2009 - B. Pandey
J. Moriles
B. Martins
L. Christ
A. Cho
M. Nicolai
Melanie Ho
2010 J. Scott
A. Asebedo
A. Grothaus
A. Wing
2011 - J. Miskella
K.L. Caudle
K.B. Kosog
J. Bricker
A. Saffer
J. Schindler
K. Kappeler
D. Reif
R. Dougherty
L. Kelly
2012 – T. Ortiz
M. Angell
D. Brachtenbach
R. Brenner
R. Mejorado
K. Caudle
Matthew Ho

2013 – E. Mayes
K. Rimol
A. Gardner
D. Simmons
L. Rios
D. Rossman
J. Baniszewski
K. Caudle
T. Donohoe
T. Newell
2014 - R. Warnock
C. Prince
B. Janney
M. Morris
H. Tomlinson
2015 A. Thornton
C. Noffsinger
C. Hicks
D. Farnsworth
G. Gundy
J. Bramhall
N. Steppig
R. Han
S. Parry
W. Kim
2016 - S. Engelken
P. Hedges
O. Todd
O. Obenland
M. Joline
M. Strelau
K. Lillie
K. Taylor
A. Griffith
C. Dau

WSSA SUSTAINING MEMBERS

PRESIDENTIAL

BASF Corporation
Bayer Crop Science
Dow AgroSciences
Dupont
Monsanto Agricultural Company
Syngenta Crop Protection

LEADER

Helena Chemical
Valent USA
Winfield Solutions

PATRON

Nufarm Americas
United Phosphorus, Inc.

CONTRIBUTING

AMVAC Chemical Corp.
FMC Corporation
Greenleaf Technologies
Gylling Data Management, Inc.
ISK Biosciences Corp
Nichino America
Nippon Soda Co. Ltd.

ASSOCIATE

ABG Ag Services
Adjuvants Plus, Inc.
Ag-quest Inc.
Chemorse Ltd.
Clariant Corporation
Conviron
Gandy Corporation
Gowan Company
Heartland Technologies
LABServices
Marrone Bio Innovations, Inc.
Minnesota Valley Testing Lab
SePRO
TKI NovaSource