



President's Message

BOB SCOTT

It's almost a requirement for me to say "Man, I cannot believe August is already over", but it is really true for me this year. I have enjoyed the challenges of learning a new job as a Station Director, however I did not count on only receiving about 2" of rain since last May! Nothing like a water shortage on a Rice research farm to keep things interesting. Recent rains have somewhat relieved our problem, but improvements in our irrigation systems are in order.



Meanwhile, it has been nice to fall back to SWSS presidential duties from time to time to break the monotony. It has been a great experience working though the progression from VP to President and to see what a great Society we have. What makes the SWSS great are our members.

I encourage all members to seek leadership roles in the society. Do this without an agenda. What I mean is do not wait until some specific issue drives you to become more active in one area or another, the society needs leadership all the time, this has never been more true as we as a Society, like most of the Ag Community, deal with several very divisive issues.

I applaud everyone in this Society that works to make it great. For example, Darrin Dodds has done a great job chairing the weed contest committee and working to put on this year's weed contest with Bruce Kriksey at the Agricenter in Memphis. It takes a lot of volunteers to be judges and to get things ready, if you're involved in weed contest, thank you, if you're not be sure to compliment those who are. Darrin also has chaired or co-chaired the student competition at the annual meeting during my time as President-Elect and President, I have held that position myself and it too is a lot of work. So a special shout out to Dr. Dodds!

One of the best ways to reward those who go above and beyond is to nominate individuals for the various awards offered by the SWSS. The call for nominations is on page 7 and I strongly encourage you to nominate a deserving colleague. We do not do enough of this in the Society and in life for that matter, so please take time to look over the call for nominations.

What's Inside

President's Letter	1
Program Update	2
Call for Titles	3
SWSS for Retirees.....	6
Award Nomination Information	7
Officer Elections.....	11
Weed Contest Update	14
Washington Report	16

2019 Annual Meeting

February 3-6, 2019

Renaissance Convention Center

Oklahoma City, OK

Look for more details at:

www.swss.ws

The Board of Directors had our summer meeting at our next annual meeting site, the Renaissance Hotel and Convention Center in Oklahoma, City. This is a very nice property and has excellent meeting rooms. It is located in a good spot near “Bricktown”, which is the home to Bass Pro Shops and many good eating places are within walking distance.

Dr. James Holloway is busy preparing the agenda for this meeting. I cannot stress what an important and sometimes stressful service this is to the Society. So, please when James sends out the call for papers, symposia ideas and needs other help, be quick to respond. The MOP has been changed slightly this year and Vice President Eric Webster will play a bigger role in helping with these duties. But again, one big thing you can do as members is to respond to requests and submit papers early rather than right at the deadline. Also take care in filling out submissions, avoid double entries, be aware of rules, such as only entering one contest, etc. Dr. Todd Baughman will be local arrangements for the 2019 meeting.

A quick reminder, last year several folks complained that they did not get the call for papers and were not getting other emails from SWSS. Unfortunately, this happens from time to time for several reasons. My own University email for example puts the newsletter and other announcements from “SWSS” into my spam, and I cannot seem to get that fixed. Most of the stuff people said they did not get, was in fact in the newsletter that had just went out weeks before. So make sure that you are getting emails from the society. Our new Business Manager from IMI Group, Kelley Mazur can help. Her email is Kelley@imigroup.org. Perhaps you met her at the Weed Contest.

Good luck with the rest of your summer. I look forward to a great meeting in OKC.

Letter from the Program Chair – August 2018

JAMES HOLLOWAY

The 2019 SWSS Annual Meeting is coming up quickly. Your Board of Directors is putting together a great program for the meeting in Oklahoma City!

Remember, this year’s meeting is a little later than normal. February 3-6, 2019 at the Renaissance Convention Center Hotel and Spa.

There is still room for a symposium if someone has any ideas and/or participants for one.

There are plenty of nice eating places just a few minutes away from the hotel via walking.

EXPERIENCE THE RENAISSANCE OKLAHOMA CITY

Experience the Renaissance of Oklahoma City, located in the heart of downtown, connected to the Cox Convention Center by skywalk and just steps from many popular destinations. Discover the Bricktown Entertainment District, ATT Bricktown Ballpark, OKC National Memorial, the Chesapeake Arena- home of the OKC Thunder and much more, all within walking distance. With 4-diamond status, this downtown hotel is your choice for style, class and a provocative ambiance. Stay relaxed and energized with the Spa at 10 North, our indoor pool and new state of the art fitness center. Celebrate local flavors at the 10 North Grille and the Bar at 10 North. With over 68,000 sqft of flexible meeting space; whether it's over-seeing all aspects of an event, or running to pick up last minute supplies, we are dedicated to making your event truly perfect.

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Call For Paper And Poster Titles For The 2019 SWSS Meeting

You are invited to submit titles for papers and posters to be presented at the 2019 annual meeting of the Southern Weed Science Society. The meeting will be held at the Oklahoma City Renaissance Convention Center Hotel & Spa in Oklahoma City, OK. February 3-6, 2019.

Submission of title and author information opens **Monday September 3, 2018**.

Titles submitted after **Friday October 5, 2018** will not be accepted.

We will again be using the same software package to handle title submission, abstract collection, and PowerPoint files as the WSSA. This process has been extremely successful for title submission process and we will continue this method. If at any time you have issues, please email me and I will assist you in the process (james.holloway@syngenta.com).

Papers and posters may be submitted to one of the following sections:

- Section I Weed Management in Agronomic Crops
- Section II Weed Management in Turf
- Section III Weed Management in Pastures and Rangeland
- Section IV Weed Management in Horticultural Crops
- Section V Weed / Vegetation Management in Forestry
- Section VI Vegetation Management in Utilities, Railroads & Highway Rights-of-way;
Industrial Sites
- Section VII Physiological and Biological Aspects of Weed Control
- Section VIII Educational Aspects of Weed Control
- Section IX Regulatory Aspects of Weed Control
- Section X Invasive Plant Species
- Section XI New Technologies
- Section XII Soil and Environmental Aspects of Weed Science
- Section XIII Weed Biology and Ecology
- Section XIV Weed Management in Aquatics
- Section XV Weed Management in Organic Production Systems
- Section XVI Posters

Paper sessions will consist of 15-minute presentations which includes time for questions. Workshop/Symposia presentations are by invitation and may be longer than 15 minutes allotted for volunteer papers. Periods for discussion will be interspersed in the sessions.

Submission of Titles

The title submission process for the 2019 meeting is the same as last year. We will be using the WSSA submission system, which is accessible from the SWSS website (<http://www.swss.ws>) by clicking the "Submit Title/Abstract" link on the homepage. Alternatively you can go directly to the submission website (<http://www.wssaabstracts.com>). See the instructions below for using the system.

The Program will be printed exactly as submitted, other than format and font changes for uniformity; therefore, proofread your submission very carefully. Primary contact authors will receive an email indicating their title was received and a later email confirming the section/day/time when and where the paper will be presented.

Please be certain to fill out the submission form completely and accurately.

Titles are due no later than **Friday October 5, 2018.**

Authors are encouraged to submit their best research and other results for presentation at the SWSS meeting. Each author is assured of one senior-author presentation, but multiple senior-author submissions will be accepted only as space and time is available. If you have several papers or posters you wish to present, please indicate which is highest priority by adding a note in the comments section on the title submission form, or by emailing Gary Schwarzlose at james.holloway@syngenta.com .

Graduate students: When submitting a title, select “yes” when asked if you are a student. For the contest question, select “no” if you are not planning to enter in the oral paper or poster contest. If you are planning to enter the contest, you must select “SWSS MS oral”, “SWSS PhD oral”, “SWSS MS poster”, or “SWSS PhD poster” to designate the appropriate contest.

Participation in Symposia/Workshops will be by invitation and titles will be submitted separately from the other sections.

Rules for the Student Contest are presented in Manual of Operating Procedures (MOP) on the SWSS website.

Title and Abstract System

On the WSSA Abstracts.com homepage, follow these steps:

1. Login
 - a. If you’ve previously used the WSSA abstract system, then enter you login name and password. The login name is your email address. If you’ve forgotten your password, click the ‘Reset password’ link on the right sidebar.
 - b. If this is your first time using the system, then you’ll need to create an account. On the right side click “Setup New Account”. Fill in your contact information and click “Submit”. You’ll receive an email with a link to set your password.
2. After logging in, on the right sidebar click “Join a Conference”. A dropdown box will appear in the middle of the screen. In the dropdown list, select 2019 Southern Weed Science Society. You only have to perform this step one time.
3. Click the “Enter” button next to ‘Southern Weed Science Society’.
4. On the next page, click ‘My Titles and Abstracts’. Click the ‘Add New Title/Abstract’ button, and then enter your title, section, authors and keywords.

Abstracts

Abstracts will be due no later than **Friday February 1, 2019.**

Instructions for abstract submission will be provided in the December newsletter and will be sent to the lead author.

Paper Presentations

All presentations must be submitted via the website will be due no later than Sunday February 3, 2019. This is to avoid last minute changes and on-site loading that could potentially disrupt the program. To ensure quality presentations and a smooth transition from presentation to presentation all presenters will be required to follow directions provided on the website.

The SWSS has adopted LCD projection for PowerPoint presentations as the standard and will be used exclusively during the annual meeting. LCD projectors and Windows PC laptop computers will be supplied and/or coordinated by section chairs and moderators.

Presenters will NOT be allowed to use their own computers in the sessions. If possible, computers will be located on the podium in each session. If this is not possible, an infrared remote providing forward and backward control of the PowerPoint presentation will be provided in each session. Screens, microphones, carts, and extension cords will continue to be supplied by AV services and paid for by the Society. In order to make this process go as smoothly as possible, please follow the guidelines below.

All presentations MUST be in PowerPoint (Version 2007 or higher) for MS Windows (PC compatible). PowerPoint 2010 will be the software used. Macintosh (MAC) /Apple formats will NOT be supported. Your presentation must be saved as a PowerPoint show file (.PPSX). The section chairs have requested that ALL presentations be prepared and uploaded on the abstract submission site so that preloading prior to the meeting can be accomplished (see Submission of Presentations). Please coordinate with your section chair if you want to preview your presentation at the meeting to ensure that the formats/fonts are all as you intended them to be. Due to the limited time and equipment, last minute editing is highly discouraged. Submission of files at the time of the presentation or at any other time during the session will NOT be allowed.

Please limit the size of presentations to less than 25 MB. Use the "Compress" function from the "Picture Toolbar" in PowerPoint to reduce size of a file with pictures.

No audio clips or sounds will be allowed. Video clips are discouraged unless absolutely necessary. PowerPoint animation is discouraged. Please contact the section chair or co-chair one week PRIOR to sending your presentation if you need to use a video clip. Limit fonts used in the presentation to basic fonts, as not all machines may have the same choice of fonts. Examples of standard fonts are Times, Arial, Courier, Tahoma, or similar equivalents. Section chairs and computer operators are not responsible for changes in fonts, bullets, and other formatting at the time of presentation. Use up-to-date virus protection software to avoid infecting the computers provided by the section chairs.

Further instructions will be provided in the December newsletter.

Poster Presentations

All contest posters are to be displayed before the first full day of the meeting to provide the judges appropriate time to assess all posters in a timely manner.

Posters should be ***no larger than 48 x 48 inches***. Display boards will be provided for poster display.

Content of Paper - Text, graphs, and tables must be easily read from a distance of 6 feet. Titles and headings should be larger and readable from a greater distance.

Poster contestants will not be required to accompany their poster during the judging period (usually during the first full day of meeting) but if a designated time period has been given for the student's poster he or she can accompany their poster. Note that posters will only be judged on the content of the poster.

Because of cost and logistics, it will not be possible to provide electrical connections, video equipment, or other special equipment for any posters.

Student Information

During past meeting's submission process, some students failed to completely fill out the submission form that caused them to not be entered into the desired contest. This caused numerous program changes after printing and some confusion at the meeting.

Please be certain to fill out the submission form completely and accurately.

Rules for the Student Contest are presented in Manual of Operating Procedures (MOP) on the SWSS website.

Students are eligible to participate in both the Student Paper Contest and the Student Poster Contest multiple times during a M.S. program and a Ph.D. program. However, a student cannot participate in both contests concurrently. A student can only win 1st place in the paper and poster contest once per degree program. All students presenting a paper or poster are eligible for any available student benefits whether or not they enter the contest. Specific questions pertaining to the Student Contest should be directed to Chair of the Student Contest: Charles Cahoon (cwcahoon@ncsu.edu).

If you have any questions about submitting a title for the 2019 meeting, please contact:

James Holloway, 2019 Program Chair

Syngenta Crop Protection, LLC; 872 Harts Bridge Rd.; Jackson, TN 38301

Tel: (731) 423-0804; Email: james.holloway@syngenta.com

Annual Conference Registration Fees for Retirees

The Southern Weed Science Society (SWSS) values our former members and their service to agriculture. By action of the Board of Directors in 2014, SWSS members who are retired and are also previous recipients of the SWSS Fellow, Distinguished Service, or Weed Scientist of the Year Awards will receive complimentary full-conference registration.

If there are any questions when registering for the annual conference, contact the SWSS Business Manager Kelley Mazur (kelley@imigroup.org ; 303-327-8016) for assistance.

MOP Updated

The Manual of Operating Procedures has been updated and is available at this link:

http://www.swss.ws/wp-content/uploads/SWSS-Manual-of-Operating-Procedures_8.14.2018.pdf

Additionally, current versions of graduate student presentation and poster score sheets are in that document.

Necrology

If you are aware of any deceased SWSS members or former members who should be included in the Necrology report please contact Dave Black at david.black@syngenta.com.

Call for Nominations - 2019 SWSS Awards

GARY SCHWARZLOSE

Awards Chair

Please see the listings below describing our award nomination procedures for 2018. For some awards, a short summary document such as a resume or CV may be attached. Please see the description below for details.

The deadline for nominations is **Friday October 5, 2018**.

Please send your nominations to the Awards Subcommittee Chair listed below:

Fellow Award	Ken Smith	ken.smith@fmc.com
Outstanding Educator Award	Charlie Cahoon	charlie_cahoon@ncsu.edu
Outstanding Young Weed Scientist Award*	Jay Ferrell	ferrelljay@gmail.com
Outstanding Graduate Student Award**	Joyce Ducar	Tredaway@gmail.com
Excellence in Regulatory Stewardship Award	David Shaw	DShaw@research.msstate.edu

* denotes 2 awards, one for industry and one for academia

** denotes 2 awards, one for MS student and one for PhD student

Please nominate your SWSS colleagues for these important awards. Feel free to contact me if you have any comments, questions, or concerns at gary.schwarzlose@bayer.com or at (830) 708-5558.

The *SWSS Fellow Award* is the highest honor the Society presents.

The purpose of this award is to recognize those members who have made significant contributions to the Southern Weed Science Society and advances in the discipline of weed science in the SWSS region.

To be eligible for the SWSS Fellow Award, the potential recipient must:

- Have been an active member of the SWSS for >20 years.
- Be at least 50 years of age at the time of the annual meeting.
- Have made significant contributions of service to the SWSS (including but not limited to: serving on committees or being an officer, hosting SWSS contests, judging at the paper/poster contest, etc.)
- Contributed substantially to the success of his/her company, university, and/or government agency and to advance the discipline of Weed Science in the SWSS region.
- Whereas the Fellow Award has been renamed to envelope both the Distinguished Service and the Weed Scientist of the Year Awards, previous recipients of these awards are not eligible for the SWSS Fellow Award.

The nomination must be by letter and 2 supporting letters are required (All sent in a single pdf file to the Committee Chair, Ken Smith). The nominating letter should explain in general and specific terms the outstanding contributions of the nominee. The nominating letter should contain a listing of the various contributions to the SWSS, but is limited to 2 pages in total length. The 2 supporting letters are also limited to 2 pages in length for each letter. A summary document describing the nominee (such as a CV) may be added but is limited to a total of 3 pages in length. The contributions must be in regards to SWSS and weed science in the SWSS region.

Awards Committee members are not eligible during their time of service on the awards committee.

Award is limited to a maximum of 0.4% of total SWSS membership each year (rounding up from the calculated percentage). The Award recipient(s) receive a plaque at the annual meeting, and each subsequent year all winners will be recognized by a Fellows ribbon to wear at the annual meeting.

The *SWSS Outstanding Educator Award (OEA)* is presented annually to a weed scientist in recognition of outstanding contributions to the Society and Weed Science through education. The Award is to be given in recognition of a broad range of activities including formal classroom teaching; outreach and public service or extension including workshops, seminars, short courses, or other means of communication; mentoring undergraduate and graduate students; publication of scholarly work in journals, books, or reviews.

To be eligible for the OEA award, the potential recipient must:

- Must be a voting member of SWSS in the year of nomination.
- Must be an active member of SWSS during the last five (5) years.

The nomination must be by letter and 2 supporting letters are required. (All sent in a single pdf file to the Committee Chair, Charlie Cahoon). The nominating letter should explain in general and specific terms the outstanding educational contributions of the nominee. The nominating letter should contain a listing of the various educational contributions, but is limited to 2 pages in total length. The 2 supporting letters are also limited to 2 pages in length for each letter. A summary document describing the nominee (such as a CV) may be added but is limited to a total of 3 pages in length. Possible information includes classes taught, number of graduate students advised, etc.

Award is limited to one award per year. The Award recipient receives a plaque at the annual meeting and a \$1,000 cash award presented at the annual meeting.

The *SWSS Outstanding Young Weed Scientist Award (OYWSA)* is presented annually to a young weed scientist one from academia (teaching, research, extension) to be sponsored by BASF and one from Industry to be sponsored by the SWSS in recognition of outstanding service to weed science.

To be eligible for the OYWSA, the potential recipient must:

- Must have been a voting member of the Society for at least three of the last five (5) years and must be a voting member of the Society in the year that the person is nominated for the award.
- Must be 40 years of age or younger on January 31 of the year she or he receives the award.
- Must have completed at least five (5) years' work in weed science other than that related to academic studies.
- Previous recipients of this award will be ineligible for re-nomination.

The nomination must be by letter and 2 supporting letters are required. (All sent in a single pdf file to the Committee Chair, Jay Ferrell). The nominating letter should explain in general and specific terms the outstanding contributions of the nominee. The nominating letter should contain a listing of the various contributions to the SWSS and to the discipline of weed science, but is limited to 2 pages in total length. The 2 supporting letters are also limited to 2 pages in length for each letter. A summary document describing the nominee (such as a CV) may be added but is limited to a total of 3 pages in length. The contributions must be in regards to SWSS and weed science in the SWSS region.

Awards Committee members are not eligible during their time of service on the awards committee. Award is limited to two awards each year, one award to an industry member and one to an academic member. The Award recipient(s) receive a plaque at the annual meeting and a \$1,000 cash award.

The *SWSS Outstanding Graduate Student Award (OGSA)* (one each for students at the MS level and the PhD level) - These awards are sponsored by the SWSS Endowment Foundation and consist of a \$400 cash award and a plaque for MS level and \$400 cash award and plaque for PhD level. The awards are given annually to a graduate student (one at the MS level and one at the PhD level) who has demonstrated outstanding performance in graduate studies and related weed science activities. Winners at the MS level are not eligible for this award at the PhD level. Students must have received the degree for which they are nominated since the previous SWSS Annual Meeting.

To be eligible for the OGSA, the potential recipient must:

- Must be enrolled as a graduate student in the degree program for which she/he is nominated within the calendar year prior to the SWSS annual meeting in January.
- Have actively participated in SWSS sponsored activities such as the annual meeting, weed contest, student paper contest, or committee work.
- Must have been a member of SWSS during their time as a student at an SWSS member institution.

The nomination packet should include a nomination letter, 2 supporting letters, 1-3 page CV, and an unofficial copy of the students transcripts are required. (All sent in a single pdf file to Committee Chair, Joyce Ducar). The nominating letter should explain in general and specific terms the outstanding contributions of the nominee. The nominating letter should contain a listing of the various contributions to the SWSS, but is limited to 2 pages in total length. The 2 supporting letters are also limited to 1 page in length for each letter. One of the letters (nomination or supporting) must be from the student's advisor at the time of the nomination.

A summary document describing the nominee (such as a CV) should be limited to a total of 3 pages in length. Transcripts of the student, including a listing of courses taken and grades earned should be included with the packet. Unofficial copies are acceptable, but the advisor agrees that the transcript represents the actual course of study of that student.

Students of Awards Committee members are not eligible during their time of service on the awards committee. Award is limited to two awards each year, one for MS student and one for PhD student. The Award recipient(s) receive a plaque at the annual meeting and a cash award.

The *Excellence in Regulatory Stewardship Award (ERSA)* is for specific collaborations in the emerging applications of science and technology that require regulatory and stewardship protocols. This award recognizes scientists that demonstrate great interaction and collaboration between public and private institutions, establish multiyear outreach and support of the new technologies, and provide nonbiased feed-back while extending research findings to the scientific and farming communities through publications and extension activities.

Eligible nominees include industry personnel, primary research/extension project leaders, and primary graduate students actively involved in conducting the research.

The nomination must be by letter and 2 supporting letters are required. (All sent in a single pdf file Committee Chair, David Shaw). The nominating letter should explain in general and specific terms the regulatory stewardship contributions of the nominee. The nominating letter should contain a listing of the various regulatory stewardship activities performed and how they relate to the discipline of weed science, but is limited to 2 pages in total length. The 2 supporting letters are also limited to 2 pages in length for each letter. A summary document describing the nominee (such as a CV) may be added but is limited to a total of 3 pages in length.

The selected program will be awarded a plaque and monetary awards are to be allocated as follows: Principal Investigator, \$2000, and remainder of the graduate team (\$250 each), to a maximum total award of \$3,000 unless extenuating circumstances. The graduate students should be the primary researchers and does not include technicians. Team members should be named during the nomination process. If a project has two lead PI's they should be awarded and the primary funds divided evenly. Graduate students providing minimal assistance should not be nominated.

The Excellence in Regulatory Stewardship Award (ERSA) is sponsored by Monsanto and awarded yearly for five years starting in 2017.

2019 Annual WSSA Meeting

The 2019 annual meeting of the Weed Science Society of America will be held February 11-14 at Sheraton New Orleans, New Orleans, LA. For specific questions about the 2019 meeting, please e-mail eric@imigroup.org.

Important Deadlines:

Symposia proposals due: June 15, 2018

Abstract title/author information deadline: Nov 19, 2018

Abstract text due: Jan 28, 2019

Presentation slides upload: Feb 1, 2019

SWSS

Your attendance is important

2019 Annual Meeting

February 3-6, 2019

Renaissance Convention Center
Oklahoma City, OK



Candidates for 2019 Elections

Vice-President- Andy Kendig

Andy Kendig received a BS in Agriculture (Agronomy) from the University of Missouri in 1988, Worked two years in the lawn-care industry and then completed MS and PhD degrees at the University of Arkansas in Agronomy (Weed Science). From 1992 he was an Extension Associate and Extension Assistant Professor at the University of Missouri Delta Research Center managing a research and extension program in cotton, rice, soybean, corn and winter wheat. His research focused on economical and environmentally sound weed control programs with a strong emphasis on herbicide resistance as well as postemergence use patterns with imazethapyr in imidazolinone-resistant rice. In addition to a traditional extension program in Missouri and the Mid-South, he developed a new training program at the University of Missouri Delta Center for professional crop advisors, was field day chair, supervised two MS students and served on graduate committees of five additional students. In 2018 he became an adjunct professor with the University of Missouri to serve on additional degree committees.



His professional activities and service roles include the board of directors of SWSS, NCWSS, Rice Industry Outlook Conference, Missouri Certified Crop Advisor Board (Chair from 2001-2001), and Missouri Agriculture Industries Council. He was program chair for the Beltwide Cotton Conference Weed Science Sessions (1999 and 200), Rice Technical Working Group Weed Science Sessions (2000) society, SWSS Education Regulatory Program (2001), SWSS New Developments from Industry (1997) and the NCWSS New Developments from Industry for 2018. He has been a member of the SWSS resistance committee from 1994 to present (Secretary and Chair in 1997 and 1998), Computer application committee chair from 2005 to 2007, volunteered at SWSS and NCWSS contests and hosted the event in 2000. He routinely judges graduate student oral presentations and posters at SWSS and NCWSS paper contests.

Vice-President- Clete Youmans

Clete grew up in southern Alabama and Georgia where most of his relatives allowed him to work in tobacco and veterinary medicine as a youngster and teenager, before attending college at Auburn University as an Agronomy major, and later receiving his PhD in Weed Science at the University of Arkansas in 1985 under Dr. L.R. Oliver.



He has a great interest in the SWSS family and has been affiliated with the SWSS 40-years, attending his first SWSS meeting in 1979. In 1980 he competed in the first SWSS Weed Contest in Albany, GA where his team from Auburn Univ. won first place, followed the next year with a 2nd place showing. Clete moved to Arkansas and participated on the UAR weed team, which received a 3rd place finish in 1982. Clete was assistant coach with Arkansas in 1983 and 1984 when Arkansas won its first two SWSS Weed contests. Over the years, Clete has been on the SWSS board as an Industry rep, been a site chairperson, been an SWSS local arrangements food coordinator, been the calibration coordinator at the SWSS weed contest five times, assisted in several other SWSS weed contests, judged over a hundred student papers and posters, been agronomic section chairperson, a moderator at annual SWSS meetings many times, and personally presented over twenty papers or posters at the SWSS.

In college, in 1984 he won first place for the graduate level presentation at the Arkansas Crop Protection Assoc. The same year, he was voted by his peers as the recipient of the first "Top PhD graduate student in the Dept. of Plant and Soil Science at the Univ. of Arkansas".

In 1985 he began work as a field researcher for American Cyanamid Co. in Little Rock, AR, and transferred to Tifton, GA, where his territory included AL, GA and SC. In 1987 he transferred to Princeton, NJ where he worked at a national level managing Assert herbicide when it received registration in 1989. In 1989 he was the AMCY herbicide resistance manager, attended the International Weed resistance meeting in Bristol, England as a representative for the imidazolinone chemistry, and was instrumental in developing the HRAC.

In 1990 Clete transferred to Dyersburg, TN as the Agriculturalist covering TN, AL, and the MO bootheel and worked developing imi-resistant corn and imazapic for peanuts. In the late 90's he was working on saflufenacil before transferring back to Georgia for a year. In 2000 he returned to Tennessee as the BASF Southern Regional Research manager. Since 2000, Clete has resided in Tennessee where he has developed the BASF TN Research Farm. Clete conducted over 1200 personal internal weed science trials during his career and contributed directly to over 800 external weed science studies.

Outside of Weed Science, Clete has twice been the president of the Tennessee Entomological Soc., and once the President of the TN Agric. Production Assn. Clete has supported the local community efforts by being the high school Quarterback Club President, assistant high school soccer coach, and working with the local FFA. Clete is a former marathoner, scuba diver, sky diver, assistant Scout Master, and attended Philmont and Seabase. Today, other than rating plots, he enjoys kayaking, fishing and travel. Clete is an active member of his church, a deacon, member of the church financial and physical plant committees, and helps on Wed. nights at the Logos training.

Clete's wife of thirty years is Deidra Youmans from Stockton, GA. His son Kyle, is a graduate of the Univ. of TN and currently lives in Pueblo, CO. His daughter Claire is a junior in high school and loves hip hop and jazz dancing.

Endowment Foundation Trustee- Greg MacDonald

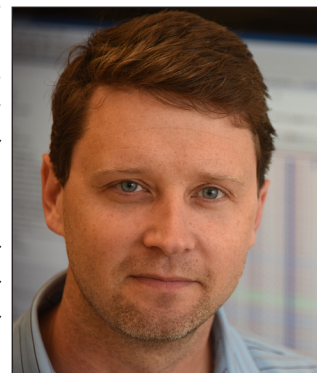
Greg MacDonald was raised in the Finger Lakes region of upstate New York where he spent his time working on dairy and row crop farms. He received an Associate of Applied Science in agricultural engineering from Alfred State University and a Bachelor's of Science from Cornell University in vegetable crop production in 1986. He received his Master of Science in Agronomy/Weed Science at the University of Florida in 1991 and PhD from the same institution in 1994. From 1994 to 1998 he was employed as a weed extension specialist for The University of Georgia, based in Tifton, GA. In December 1998 he returned to Gainesville as a faculty member in Agronomy at the University of Florida. He is a professor of Weed Science and teaches undergraduate and graduate weed science and crop production courses, including on-line, distance education courses. His research focus is weed physiology and the interactions of herbicides with plants in terrestrial and aquatic ecosystems and research on perennial invasive grass management. In addition, he conducts international research and development through USAID in Haiti,



Guyana and Ghana with a focus on peanut production, utilization and marketing. He chairs(ed) 10 doctoral students, 9 masters and currently serves as the Agronomy undergraduate coordinator. He has authored 3 book chapters, 75 journal articles and over 300 reports, abstracts, popular press, and extension publications. His program has garnered over \$3 million in extramural support and he has given over 500 presentations at local to international venues. Greg and his wife Mickey have two boys, George and Joey. He enjoys spending time with his family, camping, traveling, home projects and is a volunteer Boy Scout leader.

Endowment Foundation Trustee- Scott McElroy

Scott McElroy is a Professor in the Department of Crop, Soil, and Environmental Sciences at Auburn University. Dr. McElroy currently holds a distinguished Alumni Professorship as selected by the Auburn University Alumni Association. He received his MS from Auburn University and his PhD from the NC State University in Crop Science with a minor in Plant Ecology. Dr. McElroy now holds a joint appointment at Auburn University with the Alabama Agricultural Experiment Station and the College of Agriculture. His primary research areas are on methods for weed management in turfgrass systems, and physiology and molecular biology of herbicide resistant weed species. He is an associate editor for the Weed Science Society of America Journal, Weed Technology, and also serves as a reviewer for Weed Science, Agronomy Journal, and Pest Management Science, among others. Dr. McElroy teaches three classes, Principles of Weed Science (CSES 3120), Applied Weed Science Technology (CSES 5200/6200), and Advanced Turfgrass Management (CSES 5120/6120). Dr. McElroy maintains an active international research and teaching presence previously serving as an elected board member for the European Turfgrass Society. Dr. McElroy was awarded the Director's Research Award from the College of Agriculture at Auburn in 2009, the Outstanding Young Weed Scientist Award in 2011 from the Southern Weed Science Society, and the 2013 Early Career Weed Scientist Award from the Weed Science Society of America.



Dr. McElroy was born and raised in Moulton, Alabama, a small town in Northwest Alabama. In his youth, Dr. McElroy was an avid basketball player, signing a basketball scholarship with Northwest Community College in Phil Campbell, Alabama for his freshman year and transferring his sophomore year to play at Calhoun Community College in Decatur, Alabama. Dr. McElroy is married to Dr. Nichole McElroy, DVM. They have three children, Joseph (14), William (12) and Trent (10). In his spare time, Dr. McElroy is a member of the Auburn Masters Swimming Team, plays golf (very badly), and attempts to avoid mowing his own lawn at all costs.

People and Places

Chris Meyer, University of Arkansas, won Outstanding PhD at WSSA in 2018. He has started employment with Corteva as a Field Scientist in Greenville, MS.

Weed Contest Winners

TOP INDIVIDUAL AWARDS:

Crop Response – Three tied for first with 100 points:

Prabhu Govindasamy	Texas A&M University
Shawn Beam	Virginia Tech
Eric Scruggs	Virginia Tech – Alt

Weed Identification – Zach Lancaster University of Arkansas

Farmer Problem – Hannah Wright University of Arkansas

Calibration – Zach Lancaster University of Arkansas

Undergrad Individual – 1st Delaney Foster Abraham Baldwin Ag College | UG

2nd Will Singer University of Tennessee | UG

3rd Sarah Dodd University of Tennessee | UG

Grad Individual – 1st Zach Lancaster

2nd Shawn Beam

3rd Wyatt Coffman

4th Hannah Wright

5th Lawson Priess

6th Matthew Osterholt

7th Wykle Greene

8th Jacob Richburg

9th Lucas Rector

10th Eric Scruggs

University of Arkansas

Virginia Tech

University of Arkansas

University of Arkansas

University of Arkansas

Louisiana State University

Virginia Tech

University of Arkansas

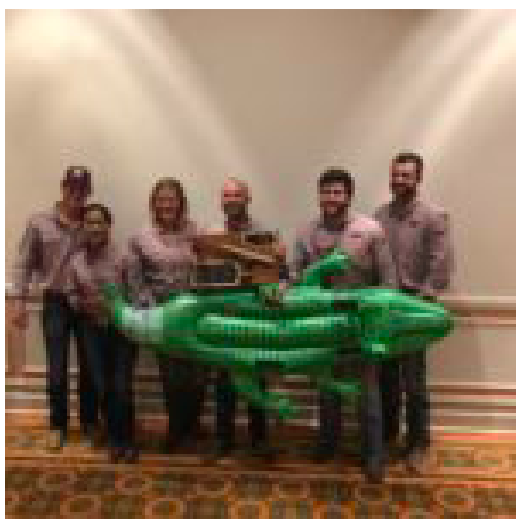
Virginia Tech

Virginia Tech – Alt

Teams – 1st University of Arkansas

2nd Virginia Tech

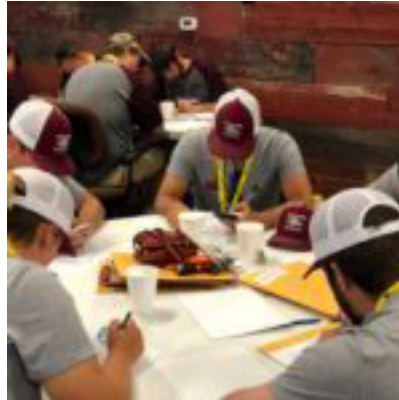
3rd Louisiana State University



The 2019 Weed Olympics
BASF, Bayer, Corteva, and Valent will be hosting the 2019
Weed Olympics in Seymour, Illinois on July 25, 2019.



**ICYMI
2018 SWSS
Weed Contest
Agricenter International
Memphis, TN**



Washington Report

August 10, 2018

LEE VAN WYCHEN

WSSA Research Workshop for Managing Dicamba Off-Target Movement: Final Report

The full report, press release and workshop presentations are available at: <http://wssa.net/wssa/technology-stewardship/dicamba-off-target-movement/>

Executive Summary: The Weed Science Society of America (WSSA) sponsored a research workshop on off-target movement of dicamba on April 16 -17, 2018 in Arlington, VA. WSSA invited a broad group of subject experts including weed scientists, state and federal regulators, application technology specialists, and representatives of dicamba registrants to discuss technical issues related to the off-target movement of dicamba observed and reported in 2016 and 2017, and to identify potential research objectives. The research workshop agenda was divided into four topic areas: I) Non-target impacts; II) Volatility; III) Application; and IV) Formulation. Within each topic area, presentations were made to provide an overview and to identify information that was not known and data gaps to be addressed going forward. Following the presentations, discussion was facilitated among participants to identify areas of concern and research questions that were subsequently ranked in order of importance. Following this compilation, suggested action items within each topic area were identified and included the following:

- Compile a comprehensive account of areas planted in dicamba-resistant crop cultivars by county, and quantities of all formulations of dicamba sold at minimum by state.
- Relate reported damage complaints to terrain and weather conditions.
- Improve deficiencies with herbicide labels to address: 1) lack of uniformity in label organization; 2) difficulty in finding and interpreting use instructions; 3) names of dicamba sensitive crops, landscape and native plants, and trees; 4) “neighboring distance” for sensitive crops; 5) descriptions of conditions leading to atmospheric inversions to protect applicators and neighbors.
- Coordinate applicator training such that all trainers present the same detailed message.
- Perform research to better characterize the potential volatility of new herbicide formulations.
- Perform research to better determine: 1) dose vs. damage relationships for key crops; 2) how to protect growers, property owners, and the public from off-target movement; and 3) modes of dicamba movement that are not currently accounted for.

There was sentiment from the group that the widespread non-target movement of dicamba was egregious and resulted in damage to crops, private properties, and native vegetation. Although amelioration of this situation was partly outside of research, attribution of liability should be addressed by appropriate authorities, particularly for horticultural growers who are suffering heavy financial losses. More funding for public research is needed. Concern was expressed that USDA-ARS and USDA-NIFA were not funding the type of research needed to manage off-target pesticide movement.

House and Senate on Track with FY 2019 Appropriations

After a bipartisan budget agreement this spring that set spending limits for FY 2018 and FY 2019 above the sequestration caps Congress self-imposed in 2013, both the House and Senate have passed all 12 of their spending bills out of committee before the August recess. A number of those appropriations bills have also cleared the House and Senate floor, including the funding bill for Interior and Environment, which marked the first time since FY 2010 that the Senate debated and approved an Interior and Environment spending bill without considering it as a part of a year-end omnibus spending package.

In the House ag appropriations bill, USDA agricultural research programs (ARS, NIFA, ERS and NASS) are funded at \$3.101 billion – \$72 million above FY 2018. USDA-ARS is slated for a \$56 million and \$98 million increase above FY 2018 in the House and Senate, respectively. In addition, House and Senate Appropriators both rejected the White House proposal to close 20 ARS research facilities. AFRI is marked up \$15 million in the House and \$5 million in the Senate, compared to FY 2018. Both the Hatch Act (Experiment Stations) and Smith-Lever 3b & c (Extension) capacity funds received a \$15 million increase in the House version of the ag appropriations bill, which is the first time since FY 2013 those funding lines were increased. Unfortunately, the Senate held those funding lines the same as FY 2018. One other disappointment was that neither the House nor Senate provided an increase for the IR-4 Project funding, which has been stuck at \$11.9 million since at least 2010.

Selected Discretionary Appropriations Accounts

Program	2016 Final	2017 Final	2018 Final	FY 2019 House	FY 2019 Senate
	----- Millions of Dollars -----				
USDA- NIFA	1326	1363	1407	1447	1423
Hatch Act (Exp.	244	244	244	259	244
Smith-Lever 3(b) & (c)	300	300	300	315	300
AFRI competitive	350	375	400	415	405
IR-4	11.9	11.9	11.9	11.9	11.9
Crop Protection & Pest	17.2	20	20	20	20
USDA- ARS	1143	1170	1203	1259	1301
USDA- ERS	85	87	87	87	87
USDA- NASS	168	171	192	174	175
USDA- APHIS	894	946	982	998	1000
USDA- NRCS	850	864	874	890	879

Farm Bill Still Moving Forward

The House passed their version of the Farm Bill on June 21 by a vote of 213-211, after voting it down on their first attempt on May 18. On June 27, the full Senate was able to advance its version of a Farm Bill on a strong bipartisan vote of 86-11 on their first attempt.

In July, the House appointed 47 members and the Senate appointed 9 members to the Farm Bill Conference Committee. The Chairs and Ranking Members of both the House and Senate Ag Committees have met to lay the groundwork for the Conference Committee. They have expressed optimism that they will have a bill ready for action prior to the expiration of the current Farm Bill on September 30.

There are many good weed science related provisions in House bill regarding regulatory reforms that are not in the Senate bill. This includes a legislative fix for the duplicative National Pollutant Discharge Elimination System (NPDES) program permits, a legislative repeal of the 2015 Waters of the United States (WOTUS) rule, legislative guidance to streamline the FIFRA-ESA consultation process on endangered species, and reauthorization of the Pesticide Registration Improvement Act (PRIA). Both the House and the Senate Farm Bill authorize a new \$5 million per year grant program for research equipment. The Agriculture and Food Research Initiative (AFRI) and Specialty Crop Research Initiative (SCRI) are reauthorized at existing levels in both the House and Senate bill. The \$20 million per year Organic Agriculture and Extension Initiative (OREI) is increased by \$10 million in the House and \$30 million in the Senate. The Senate bill reauthorizes mandatory funding for the Foundation for Food and Agriculture Research (FFAR), which was created in the 2014 Farm Bill, but the House bill does not. The bottom line is that the conference committee will have to negotiate a bipartisan bill to get 60 votes in the Senate.

Wheeler In; Pruitt Out at EPA



Andrew Wheeler (photo) took over as Acting Administrator of EPA on July 6 when Scott Pruitt announced his resignation. Wheeler is a native of Ohio and received a JD from Washington University in St. Louis School of Law, and an MBA from George Mason University School of Management. His first job was with EPA between 1991-1995 working on toxic chemical and pollution prevention issues. He is a long time Senate staffer having worked for Sen. George Voinovich (R-OH), Sen. Jim Inhofe (R-OK), and the Senate Environment and Public Works Committee. Wheeler most recently served as Senior VP for Faegre

Baker Daniels Consulting, a national advisory and advocacy firm dealing with energy and natural resources practice.

Hutchins Nominated to Lead USDA Research



President Trump has nominated Dr. Scott Hutchins (photo), the Global Head of Integrated Field Sciences for Corteva as the USDA Under Secretary for Research, Education and Economics. If confirmed by the Senate, he will serve as USDA's Chief Scientist and will oversee the operations of ARS, NIFA, ERS and NASS. Hutchins has a Ph.D. in entomology from Iowa State University, where he studied the effect of insect-induced injury on alfalfa. Hutchins has bachelor's degree in entomology from Auburn University and a master's degree from Mississippi State University. Presently, he works on pest management

chemicals at Corteva and is an adjunct professor at the University of Nebraska. He is a past President of the Entomological Society of America.

USDA NIFA, ERS Moving from DC

On August 9, USDA announced that the National Institute of Food and Agriculture (NIFA) and Economic Research Service (ERS) will be moving from D.C. While the new location for the agencies has yet to be determined, the timeframe for the move is expected to occur within the next year where families with children could start the fall 2019 school year at the new location. USDA said it was undertaking the relocations for three main reasons:

- To improve USDA's ability to attract and retain highly qualified staff with training and interests in agriculture, many of whom come from land-grant universities. USDA has experienced significant turnover in these positions, and it has been difficult to recruit employees to the Washington, DC area, particularly given the high cost of living and long commutes.
- To place these important USDA resources closer to many of stakeholders, most of whom live and work far from the Washington, DC area.
- To benefit the American taxpayers. There will be significant savings on employment costs and rent, which will allow more employees to be retained in the long run, even in the face of tightening budgets.

"The Rise of Resistance" – a Special Issue in Science

Available at: <http://science.sciencemag.org/content/360/6390>. *"Today, we find ourselves at the nexus of an alarming acceleration of resistance to antibiotics, insecticides, and herbicides. Through chemical misuse, resistance also brings widespread collateral damage to natural, social, and economic systems. **Evolution will always circumvent head-on attack by new biocides, and we may not be able to invent all the new products that we need.** We must therefore harness evolutionary approaches to find smarter ways to minimize the erosion of chemical susceptibility".*

National Academies Release Report on the Future of Agriculture Research

The National Academies of Sciences, Engineering, and Medicine has released a new report, "[Science Breakthroughs 2030: A Strategy for Food and Agricultural Research](#)," which identifies the innovation needed in the next decade to make the U.S. food and agricultural system more efficient, resilient, and sustainable. Using input from the broad scientific community, the report identifies five scientific breakthrough areas that could have the greatest positive impact on food and agriculture:

- Transdisciplinary Research and Systems Approach
- Sensing Technologies
- Data Science and Agri-Food Informatics
- Genomics and Precision Breeding
- Microbiome

The report also recommends investing in physical and cyber infrastructures, engaging non-agricultural professionals, and recruiting talented individuals into food and agriculture research.

New CAST Issue Paper: “Genome Editing in Agriculture”

On July 9, CAST released its newest publication, [*Genome Editing in Agriculture: Methods, Applications, and Governance*](#). Science Policy Committee Chair and WSSA-NIFA Fellow Donn Shilling and I attended one of the kick off sessions in Washington DC where Dr. Adam Bogdanove from Cornell, lead author and Task Force Chair, gave a great overview on the current status of gene editing, including policy implications. The issue paper describes how genome editing is performed, the types of “edits” that can be made, how the process relates to traditional breeding and conventional genetic engineering, and the potential limitations of the approach.

Wild Spotter: Mapping Invasives in America’s Wild Places

A new nationwide citizen science volunteer capacity-building program called [Wild Spotter](https://wildspotter.org) (<https://wildspotter.org>) has been launched that is designed to help locate and map aquatic and terrestrial invasive species in Wilderness Areas, Wild & Scenic Rivers, and other wild places across the 193 million-acre National Forest System. This new program engages and empowers the public, local communities, states, tribes, and many other groups to help the Forest Service confront the threats from harmful exotic plants, animals, and pathogens that invade America’s beautiful and economically important wild places. The *Wild Spotter* program provides the tools these volunteers need to help locate, quantify, map, and report invasive species infestations in a simple and effective manner, while raising public awareness about invasive species and promoting collaborations across the landscape.

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Meetings of the National and Regional Weed Science Societies

Dec. 3 - 6, 2018 North Central Weed Science Society (NCWSS), Milwaukee, WI www.ncwss.org
Jan. 7 - 10, 2019 Northeastern Weed Science Society (NEWSS), Baltimore, MD www.newss.org
Feb. 3 - 7, 2019 Southern Weed Science Society (SWSS), Oklahoma City, OK www.swss.ws
Feb. 11 - 14, 2019 Weed Science Society of America (WSSA), New Orleans, LA www.wssa.net
Mar. 11 - 14, 2019 Western Society of Weed Science (WSWS), Denver, CO www.wsweedscience.org
Jul. 14 - 17, 2019 Aquatic Plant Management Society (APMS), San Diego, CA www.apms.org