



Weed Science Society of North Carolina



Volume 34, Issue 1

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Letter from the President

Mr. Kevin Clemmer, NC Department of Transportation

Dear WSSNC members. I want to thank the society for allowing me to serve as President and to be a part of an organization that not only shares knowledge, but fosters friendships within our industry. As I am following the footsteps of some great leaders in the Weed Science industry, I understand that we must stay united to keep the discipline of weed science on the forefront of our customers demand.

With that said, we have set our 34th Annual Meeting of the Weed Science Society of North Carolina on March 9th, 2016 at the J.C. Raulston Arboretum in Raleigh. Topics for next year's meeting will focus on Stewardship/New Technologies coming to market this year and next. We will pursue Pesticide and CCA credits for the

benefit of our members.

As a reminder, for those of you who have not paid your annual dues or elected to maintain a sustaining membership, you still have an opportunity. Check out our website www.wssnc.ncsu.edu for further information. You may pay online or by mail.

Additionally, please don't forget about the Weed Science Scholarship Endowment at North Carolina State University. If you would like to make a donation to the endowment, just go to www.cals.ncsu.edu/givenow and type in Weed Science Society of NC Endowment in the keyword field.

For our current and prospective



members, I want to assure you that the intention of this executive board is to grow the Weed Science Society of North Carolina. We will stay focused on remaining a benefit to our members and students. I look forward to a productive year and invite each of you to participate and most importantly, become involved.

Welcome New Board Members

At our last annual meeting, the following members were elected to office. Congratulations to all.

Cathy Herring, Vice-President

Jenny Cahoon, Industry

Erika Haug, Student Representative

Important Dates:

May 14, 2015

Small Grain Field Day
Gillard Bros. Farm

March 9, 2016

WSSNC Annual Meeting
JC Raulston Arboretum
Raleigh, NC

Please consider becoming a sustaining corporate member in the Weed Science Society of North Carolina. Your sustaining membership helps us provide student awards, pays for annual meeting expenses, provides us the funding to keep our society active, and gives your company the recognition of supporting the discipline of weed science in North Carolina.

33rd Annual Meeting
**“North Carolina
Commodities”**



Reflections from the 2015 Annual Meeting

Topics from the meeting

Opening Remarks

Kevin Clemmer, WSSNC President
Dr. Jeff Mullahey, Department Head, NCSU Crop Science

Guest Speakers

Weed Management Challenges in NC
David Parrish and Guy Collins, NC Cotton Producers Association

Sod Industry in North Carolina

Mark Harris, NC Sod Producers Association

NC Sweet Potatoes-Opportunities and Challenges

Sue Johnson-Langdon, NC SweetPotato Commission

Broadening the Response to Herbicide Resistant Weeds in Soybean

Charles Hall, NC Soybean Producers Association

Invasive Weed Update

Bridget Lassiter, NCDA Weed Regulatory Services

Graduate Student Presentations

Timing of Dicamba for Control of Palmer Amaranth in BollGard II XtendFlex Cotton
Charlie Cahoon, Crop Science, NC State University

Influence of Herbicides on Development of Internal Necrosis in ‘Covington’ Sweetpotato
Shawn Beam, Horticultural Science, NC State University

Impact of Tillage on Italian Ryegrass Control in Winter Wheat
Zachary Taylor, Crop Science, NC State University

Critical Period of Weed Control in Pickling Cucumber
Samuel McGowen, Horticultural Science, NC State University

Grass Control in Sorghum as Impacted by Cultural Practices and Weed Management Strategy
Thierry Besançon, Crop Science, NC State University

FeHEDTA: A Bioherbicide for Postemergence Broadleaf Weed Control in Turf
Joseph Wolfe, Horticultural Science, NC State University

Congratulations!

Congratulations to the following student award winners at our 2015 Annual Meeting.

Outstanding PhD Student — Charlie Cahoon
Outstanding MS Student — Matthew Inman

First Place Award PhD Poster Contest — Sushila Chaudhari
Second Place Award PhD Poster Contest — Thierry Besançon
First Place Award MS Poster Contest — Nicholas Basinger
Second Place Award MS Poster Contest — Shannon Auell

Reflections from the 2015 Annual Meeting

33rd Annual Meeting
**“North Carolina
Commodities”**



C. Cahoon (right) receiving the Outstanding PhD Degree Graduate Student Award from J. Burton.



M. Inman (right) receiving the Outstanding Masters Degree Graduate Student Award from J. Burton.



S. Chaudhari (right) receiving first place PhD poster award from J. Burton.



T. Besançon (right) receiving second place PhD poster award from J. Burton.



N. Basinger (right) receiving first place Masters poster award from J. Burton.



S. Auell (right) receiving second place Masters poster award from J. Burton.

Reflections from the 2015 Annual Meeting

33rd Annual Meeting "North Carolina Commodities"



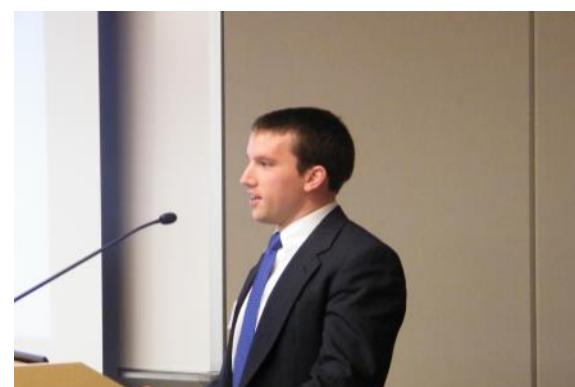
Guest speaker Dr. Jeff Mullahey opening remarks.



Kevin Clemmer, President, WSSNC
Welcome and opening remarks.



Sue Johnson-Langdon, NC SweetPotato Commission
NC Sweet Potatoes-Opportunities and Challenges



Sam McGowen, Horticultural Science, NCSU
Graduate Student Presentation
Critical Period of Weed Control in Pickling Cucumber



Rick Seagroves, NCSU
WSSNC Business Meeting



Bridget Lassiter, NCDA Weed Regulatory Services
Invasive Weed Update

Student Spotlight: Where are they now?



Dr. Davie Wilson, Product Development Manager, Monsanto Company

Where is Davie Wilson today?

Davie earned his Ph.D. in Crop Science at NCSU under Drs. Alan York and Keith Edmisten in April of 2006. His project consisted of the overall agronomics and weed control in a 15-inch row cotton production system. He still has flashbacks from having to apply lay-by herbicide treatments in cotton with a backpack one row at a time for Dr. York. They cause night sweats.

In May of 2006, Davie started his role with Monsanto Company as a Technology Development Representative in Iowa. While in that role he conducted a field program that facilitated the advancement of pre-commercial germplasm, trait, and chemistry products while also providing technical support and training for existing commercial products. Since June of 2011, he has been a Product Development Manager with the technical responsibility of Monsanto's U.S. seed treatment business for corn, soybeans, and cotton. In this role, he manages all the overall pre-commercial and commercial product development. He currently resides in St Louis, Missouri with his wife

projects to support the germplasm and traits business in those crops. (Carmen) and son (James Grady).

All of us in the WSSNC and the NCSU Weed Science family applaud Davie's accomplishments and we wish him all the best for a very bright future.

Content...We Need It!

Please help our editor by submitting any newsworthy information that you would like have included in future editions of the WSSNC newsletter.

Notifications of upcoming meetings, conferences, symposia, etc. Student contest participation, award recognition, graduations, etc. News articles relating to weed science, industry updates, or regulatory affairs. Member

information, changes in position or employer, etc. These are all good examples of newsworthy content. Of course, related photos are highly requested for all.

If you attend an event that you feel others would enjoy reading about, please take some photos and submit a short write-up. If you know of a student or colleague who deserves special mention, please send it in.

The more content we have, the more informative and interesting our newsletter can become. Please email your contribution to [Mr. Rick Seagroves](#).

Many thanks to all!

Click [here](#) to send newsworthy items to be included in our newsletter.

Newsletter Editor Report

Results of the Annual Meeting Survey

by Rick Seagroves



Soon after our last meeting, members were asked to complete a brief survey which focused on meeting location, dues payment, meal choices, meeting topics, possible topics for next year's meeting and overall comments. The responses were all anonymous.

Results were presented to the Board at the business meeting held on March 23rd. Overall, the responses were very positive and helpful to the directors. We had 29 respondents to the survey.

By unanimous vote, members were satisfied with using the J.C. Arboretum as our meeting location. Because of its cost, ease of access, space available, the arboretum seems to be the perfect location at this time. It was suggested that perhaps corporate sponsors could occasionally host the meeting at a location of their choosing. While this was done in the past and it would certainly encourage more corporate participation, there has been little interest in doing so.

As for the caterer and breakfast items served at the meeting, by

majority, members indicated it was sufficient. Suggestions made were to offer vegetarian options for lunch and healthier options for breakfast snack. Comments were very positive on the quality of the lunch menu items. I can personally praise the fried chicken and BBQ this year. We would consider adding a salad or pasta salad to the lunch menu next year and adding healthier breakfast items, as well.

This year's topic was very well received. Most members indicated that they liked the meeting's focus and speakers. Our meeting included several commodity groups, which do not usually attend our meetings. This was a change in course, but a positive one. Suggestions were to include more grower perspectives on weed control and covering new technologies.

One of the survey questions was to suggest topics for next year's meeting. Good responses were received. Members would like to see: off-target herbicide movement and technology, training/stewardship discussions for new technologies coming to market,

fruit and vegetable weed control/bio control, newly registered herbicides and new uses, presentation by equipment manufacturers. One excellent suggestion was to include a section where graduate students could give a short description of their current research.

This year saw the addition of payment of dues by credit card. Most members responded favorably on the survey and took advantage of this option. There were a few members who would like the option of paying by cash or check. The paying of dues online had a dramatic effect on morning registration. We were able to process members much quicker than in years past and it was a much more positive experience for most. The additional cost is negligible and the convenience makes it worth the expense.

Lastly, the survey allowed for comments to improve the annual meeting. Most comments focused on the late announcement of the meeting and program. Some would like to see a better agenda with increased corporate input. Finding ways to increase membership and participation was men-

tioned. The late meeting and program announcement was a serious oversight this year. To remedy this for next year, the annual meeting date has already been set for March 9, 2016 at the J.C. Raulston Arboretum and a working title has been selected. The focus of next year's meeting will be Stewardship/New Technologies. It is hoped that there will be an increase in company participation, since several new technologies are coming to market over the next year or so.

Thanks to all who took the time to participate in the survey. Your suggestions and comments were welcomed and will be used to improve our Society. While there are no plans to make the survey results public, any member who would like to have a copy of the results, please contact [Rick Seagroves](#).

Business Meeting Minutes

The minutes from the 2015 Annual Meeting and the most recent Directors' Business Meeting are below. The document will open in your default browser and you will need Adobe Acrobat Reader to access.



Click [here](#) to send newsworthy items to be included in our newsletter.

Newsletter Editor Report

Results of the Pledge to the Plant Sciences Initiative Survey

by Rick Seagroves

At the end of February, the Weed Science Society of North Carolina was asked to make a leadership pledge of \$1000 in support of the new NCSU Plant Sciences Initiative. The topic was discussed at the annual meeting in March and informational material was passed around to members detailing the Initiative.

After discussion, the attending members decided to distribute a survey to membership in order to determine support for the pledge. This was done and the response was overwhelmingly in support of making a pledge to support the Plant Sciences Initiative.

Although our pledge is very small in relation to the amount of money involved, it was felt that it was symbolic to support such an endeavor and it may earn some good-will in the future.

The board of directors decided, based on membership support, to honor the pledge of \$1000 over two years. The board asked the NC Agricultural and Life Sciences Research Foundation for matching funds, so our pledge will be recognized as \$2000, and included wording in the pledge letter that our contribution, for all practical purposes, be used in support of Weed Science within the scope

of the Plant Sciences Initiative.

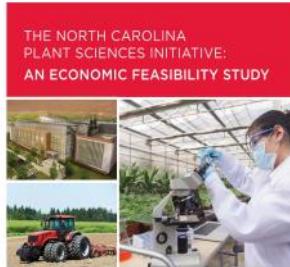
If the Initiative does not receive support from the NC Legislature, we have the option of requesting a refund of our pledged amount.

Below, you can access the information that was distributed at the annual meeting.

Click [here](#) to send newsworthy items to be included in our newsletter.

Information on the Plant Sciences Initiative and Pledge Request

The following information was made available at the 2015 Annual Meeting concerning the Plant Sciences Initiative.



Prepared for the State of North Carolina
Prepared by the Partnership of
North Carolina State University,
College of Agriculture and Life Sciences and
North Carolina Department of Agriculture & Consumer Services

Date: December 2014

THE NORTH CAROLINA PLANT SCIENCES INITIATIVE
A proposal to establish North Carolina as the world leader in plant sciences research and innovation.

NC STATE UNIVERSITY
College of Agriculture and Life Sciences

2X The world must double food production by 2050. The North Carolina Plant Sciences Initiative is a proposal to double the state's plant sciences research and innovation over the next two years. It will lead to increased crop yields, natural diversification, sustainability and resilience, and economic development.

#1 Applications to the state for plant science research grants are the 4th largest in the nation, and represent the 2nd largest R&D expenditure.

\$1 = \$19.90 The College of Agriculture and Life Sciences at NC State is the 2nd largest in the nation in terms of research grants received.

84% The College of Agriculture and Life Sciences is the 2nd largest in the nation in terms of research grants received.

See the next page for more information on the North Carolina Plant Sciences Initiative.

NC STATE UNIVERSITY
College of Agriculture and Life Sciences
Office of the Dean
Date: May 2015
Dear Dr. Wayne E. Jones,
Re: The North Carolina Plant Sciences Initiative
Raleigh, NC (2015)

Dear Dr. Jones,

We are pleased to request that you and the Board of Directors of the North Carolina State University Agriculture and Life Sciences Research Foundation support the North Carolina Plant Sciences Initiative. We are also in touch with North Carolina agriculture, and hope that you will join those leading the charge to make North Carolina the global leader in plant sciences.

Recently completed economic impact study for this initiative, funded by the NC General Assembly, was delivered to the legislature of our state, along with our request for 10 million in planning money for the 2015-2016 fiscal year. This study shows that the state can expect to generate approximately 20 million in the 2016-2017 fiscal year, once the remaining 20 million in state funds are leveraged.

To meet that goal, we are requesting the support of each of North Carolina's congressional delegation, the NC State Legislature, the NC State Plant Sciences Research Foundation, the NC Soybean Producers Association, NC Sweet Potato Producers, NC Peanut Growers Association, NC Agri-Green, NC Vegetable Foundation, Inc., and NC Agricultural & Life Sciences Research Foundation have come together to form the NC Plant Sciences Initiative.

The total cost of this initiative is approximately 20 million. However, we will leave for the legislature with a request for 10 million in the 2015-2016 fiscal year. The total cost of the 2016-2017 fiscal year is approximately 20 million. Given this year is a budget year, we are requesting 10 million in the 2015-2016 fiscal year, and 10 million in the 2016-2017 fiscal year.

Given that goal, we are requesting the support of each of North Carolina's congressional delegation, the NC State Legislature, the NC State Plant Sciences Research Foundation, and will be recognized at the 2015-2016 fiscal year.

On behalf of the NC State University College of Agriculture and Life Sciences, and the North Carolina Plant Sciences Initiative, we thank you for your support.

Yours sincerely,

Richard H. Jones
Richard H. Jones
Dean

Stephen L. Long
Stephen L. Long
Associate Dean for Research

News and Updates



Dr. David Jordan named William Neal Reynolds Distinguished Professor

Congratulations to Dr. David Jordan on being named a William Neal Reynolds Distinguished Professor.

Dr. Jordan is an exemplary scientist, who has a distinguished career in research, teaching and extension.

The appointment as a William Neal Reynolds Distinguished Professor has been recognized as the highest honor open to faculty in the College of Agriculture and Life Sciences.

Bayer pledges \$100,000 to NCDOT for roadside pollinator plantings

Southeast Farm Press

An interesting article featured in a recent edition of Southeast Farm Press. You can access the article by clicking [here](#).

This funding from Bayer CropScience will support approximately 46 new acres of vegetation plantings along North Carolina roadsides to promote honey bee populations and pollination. This is part of Bayer's [Feed A Bee](#) campaign. Please check it out!



Weed Science Society of North Carolina Endowment



Original signing ceremony establishing the WSSNC Endowment

An exciting milestone was reached in 2015. The Weed Science Society of North Carolina made a sizeable contribution to the Endowment, bringing the fund's total to \$30,000. It is hoped that with the Endowment at this level, student support can be resumed after being halted due to low economic returns in past years.

The WSSNC started the Endowment with an initial funding of \$15,000. Income from Endowment provides support for weed science students and student recruitment efforts at NC State and other relevant universities in North Carolina.

Please consider making a tax-deductible contribution to the Endowment. You can access the Endowment Secure Online page [here](#).

Southern Weed Science Society Award Winners

At the 2015 Southern Weed Science Society Meeting in Savannah, Georgia, WSSNC members Bobby Walls (FMC) and John Harden (BASF) were both recipients of the Fellow Award. The SWSS Fellow Award is the highest honor the Society presents and recognizes those members who have made significant contributions to the Southern Weed Science Society.

Sushila Chaudhari (co-advised by Katie Jennings and David Monks) was awarded the Outstanding PhD Student Award.

Charlie Cahoon (advised by Alan York) won first place (PhD) in the paper presentation contest with his paper, "Weed Management Systems Including Dicamba in BollGard II XtendFlex Cotton".

Nick Basinger (advised by Katie Jennings) won first place (MS) in the paper presentation contest with his paper, "Influence of Ground Cover Competition on Growth, Yield, and Berry Quality in Cabernet Franc Grape".

Matt Inman (co-advised by David Jordan and Katie Jennings) won first place (MS) in the paper presentation competition with his paper, "Change in Palmer amaranth Population in Cotton Following Four Years of Glyphosate and Dicamba".

Weed Science Society of North Carolina



We're on the Web!

www.wssnc.ncsu.edu

The Weed Science Society of North Carolina was founded to advance the discipline of Weed Science and to improve the well-being of the citizens of the state through a better understanding of weeds and their management.

Make a note of our address!

All mail correspondence should be mailed to:

Weed Science Society of NC
Campus Box 7620
Raleigh, NC 27695-7620

Support the WSSNC Endowment

The Weed Science Society of North Carolina Endowment provides support for Weed Science student activities in the College of Agriculture and Life Sciences at North Carolina State University and other universities in our state.

Our goal is to make more and larger awards as the endowment grows, but **WE NEED YOUR HELP!**

[Donate Online!](#)

Membership in WSSNC

Membership is open to all individuals interested in weed science and/or weed management.

Active members include those who have paid annual dues.

Supporting members include any individual or firm concerned with the manufacture, distribution or application of weed management materials or devices who contribute financially to the society.

Student members include undergraduate and graduate students interested in weed science.

[Join Today!](#)



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