



WEED SCIENCE SOCIETY OF NORTH CAROLINA

Winter 2004-05

FROM THE PRESIDENT

Dr. Michael Burton

“Well...let’s work on that when things slow down a little.” I have lost count of how many times I have heard that sentence from our colleagues working in weed science. Since I arrived at N.C. State, I have been watching for that “slow” time, and I still have not been able to identify it! Only recently did I realize that many of my senior colleagues have been saying it as a joke all along – sort of like reading in a calculus textbook that the solution to a difficult problem is “obvious.” I can reflect on my experience in calculus class and enjoy the joke now in much the same way that I can reflect on the past year and smile as I think about when things “slowed down.” Hopefully, most of you can reflect on the past year and see that you have been provided for, even if the year brought more challenges than clear victories.

Most folks, having worked hard through the fall and winter conducting analyses and riding the meeting circuits, are now busy planning spring activities in anticipation of planting, management, and the ultimate harvest. We, too, as members of the WSSNC, have worked through the past year enjoying what we do, participating in the management of all that we have been given, and trusting that the future will bring all that we need. In a pastoral sense, a part of good stewardship of any organization is to “know the condition of your flocks.” The condition and future well-being of our “flock” and the 2005 meeting of the WSSNC were the main topics of discussion during our summer board meeting.

As is plain to see, the weed management and agricultural industry have undergone remarkable consolidation during the past several years. That consolidation has been evident in many ways from the corporate level to the departmental and field levels. Despite the consolidation of the industry, the WSSNC has maintained a committed, strong, and stable membership over the past few years. Still, our membership and resource bases have changed, and as you will recall from the business meeting during our 2004 gathering, changes were recommended to assure the continued viability of our

organization to “bring forth and discuss emerging weed management issues.”

This summer, the WSSNC Board considered several permutations of options to finance the organization and its feature event, the Annual Meeting. Many of our colleagues have worked together and given sacrificially from their declining budgets to support the organization and Weed Science graduate student awards. The balance of our budgetary needs, of course, will have to be met through reducing expenses and increasing dues for members and student members. We hope that the rest of our membership will be similarly committed and enthusiastic for our work and the Annual Meeting and will to continue to participate with and “grow” our group in knowledge and membership. After considering many options, the Board agreed that we should change our venue to the J.C. Raulston Arboretum and increase dues to \$15 for all members (including students). A variable registration fee will continue to be set each year to offset the cost of the meeting and meal (\$10 for 2005). We believe that these changes will help to bring stability to our “flock” for the next several years.

We on the board are excited about the program that Dr. Katie Jennings (Horticultural Science) is assembling for us. She has recruited folks to present on several critical issues facing weed management, a key feature of which will be an open discussion of concerns and advancements from our membership. Of course, we will continue to showcase the work of our graduate student research representing each of a few facets of our discipline so that we can all benefit from presentations of cutting-edge research.

I am thankful for the many folks that my work in weed science has allowed me to come to know, and I wish you a healthy and happy 2005. Who would have guessed that we could be paid to have an unreasonable fascination with weeds?!

TOPICS FROM THE 2004 ANNUAL MEETING

Program - The Impact of Invasive and Aquatic Weed Species in North Carolina

"One if by land, two if by sea": The Invasive Species Threat in the USA – Dr. Randy Westbrooks, Invasive Plant Coordinator, U.S. Geological Survey

North Carolina and Invasive Plant Management – Dr. David Patterson, NCDA&CS

Invasive Aquatics in Piedmont Reservoirs – Mr. Eric Barkemeyer, Cygnet Enterprises, Statesville, NC

NC Giant Salvinia Task Force – Mr. Wayne Batten, NC Coop. Ext. Service, Pender County Center

Invasive Weeds, Blue-Green Algae, Coots, and Bald Eagles: A Deadly Trophic Cascade – Dr. Susan Wilde, SC Department of Natural Resources, Charleston, SC

NC DOT: Invasions on the Roadsides – Mr. Derek Smith, NC Department of Transportation, Raleigh, NC

Tropical Spiderwort: Containment of a Noxious Weed in NC, Dr. Mike Burton, NCSU, Crop Science Department

Tropical Spiderwort (and you thought sicklepod was bad?) – Dr. Ted Webster, USDA, Tifton, GA

Graduate Student Presentations

Japanese stiltgrass population dynamics and impacts on Piedmont forest ecosystems. – C.A. Judge

Control and Seed Production of Sicklepod (Senna obtusifolia) Following 2,4-DB Alone and with Other Agrichemicals. – Sarah Hans

Abstracts provided by speakers at the 2004 Annual Meeting and other information relating to the WSSNC can be found at the WSSNC web site.

www.wssnc.ncsu.edu

MINUTES OF THE 2004 ANNUAL MEETING

March 11, 2004

Tom McKemie, Secretary-Treasurer

Roger Batts called the Business meeting to order at 3:00 pm on March 11, 2004. The meeting was held at the NC University Club on Hillsborough Street. President Batts began by announcing the following upcoming Weed Science events:

NEWSS Weed Contest July 26-27th - Contact: Dr. David Monks

NC Exotic Plant Pest Council March 24th - Location: Fletcher, NC

The Society for Ecological Restoration Coastal Plains Chapter March 25-27th -Location: Raleigh, NC

SE Regional Aquatic Conference May 12th, 2004 – Location: Leland, NC

Roger welcomed and thanked everyone for coming to the meeting. Committee reports were next.

Committee Reports

Tom McKemie started with the reading of the 2003 meeting minutes. The minutes were passed around while Tom read them out loud. Tom continued with the financial report. The report was projected from a computer for all members to see (please see financial report and budget breakdown by years at www.wssnc.ncsu.edu). Both the minutes and the financial report were voted on and passed.

Sue Rick continued with an update on the WSSNC Dean Whitter fund and indicated that our fund manager recommended that we should remain where we are.

Financial Committee Report 3/04

Investment fund history:

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| Mar '00 | \$30,330 |
| Mar '01 | \$32,195 |
| Mar '02 | \$30,781 |
| Mar '03 | \$26,520 |
| Mar '04 | \$35,680 |

Legislative Report

Tom Hunt presented the Legislative report leading with the number 1 hot issue: Federal Endangered Species Act (ESA). Tom explained the issues and asked for those interested in the ESA to contact him. He would be sending out emails on the subject. Tom also addressed North Carolina issues such as the legislation to increase buffer zone for right of ways was defeated, registration fees for new pesticides was increased, and future concerns that the Pesticide board may be moved from the NCDA to DEHNR.

Roger asked that Tom Hunt keep emailing the WSSNC membership with information from the CPANC. Tom asked for member's email addresses and no one denied the request.

Website Report

Steve Hoyle showed the membership screen shots of the website and gave out the new password (WEEDSCINC). Steve requested that the membership list and email addresses be posted on the website and a vote was taken and passed.

Leslie Fuquay asked if the newsletter could be emailed instead of mailed. A vote was taken and passed.

Awards Report

Leon Warren presented Steve Hoyle with the WSSNC distinguished Weed Science award for 2004. Steve Hoyle graciously accepted the award.

Student Awards and Announcements

Katie Jennings made the following announcements:

2003 NC Crop Protection School

Andrew MacRae, 2nd place paper

Robbie Parker, 3rd place paper

- 2004 Beltwide
Robbie Parker, 1st place paper
- 2004 NEWSS
Carrie Judge, 2nd place paper
- 2004 SWSS
Robbie Parker, 1st place GS Paper
- 2004 SWSS Outstanding Masters Degree Student
Walter Thomas
- 2004 WSSA Outstanding Student
Ian Burke
- WSSNC Graduate Student Winners
Poster Contest:
Gerald Henry, 1st place
Wesley Everman, 2nd place
- Outstanding Students:
Andrew MacRae, Ph.D.
Robbie Parker, M.S.

Board Members for 2004

President..... Dr. Mike Burton
 Vice-President..... Dr. Katie Jennings (elected)
 Secretary-Treasurer.....Tom McKemie
 Past President..... Roger Batts

Directors-at-Large:

Member-at-Large Steve Hoyle
 Board Member Industry Leslie Fuquay (elected)
 Board Member Academia Joe Neal (elected)
 Student Representative..... Ian Burke (elected)

Old Business:

A discussion was held to bring to the table the issue of declining membership and dues. The discussion also included the cost of the meeting, moving the location of the meeting, WSSNC scholarships, and increasing the membership dues. After the discussion the general membership voted to let the board survey the membership and make the decision for the society.

Roger thanked those who helped with the 2004 meeting including Scott Clewis. He also thanked Mike Burton and our invited guests for doing the program.

Special Thanks to our Sponsors
 BASF, Dow Agrosience, DuPont,
 FMC, Monsanto, and Syngenta

**MINUTES OF THE
FALL BOARD MEETING**

**September 17, 2004
Tom McKemie, Secretary-Treasurer**

The meeting was held at Pam’s Farmhouse Restaurant. The meeting was called to order at 7:30 am by our president Mike Burton. In attendance were Roger Batts, Tom McKemie, Steve Hoyle, Katie Jennings, Ian Burke, and

Leslie Fuquay. The items of business included the location of the 2005 WSSNC meeting, pesticide credits, theme, dates, meal plans, and membership dues/meeting cost.

The theme of the meeting will be Weed issues in Ornamentals nurseries and landscaping and Katie will serve as program head. The meeting will be held at the JC Raulston Arboretum off of Beryl Road. Someone from Hortscience will need to reserve the meeting room. The date for the meeting will be March 3rd or 10th. We will have meals catered by a local restaurant or we will have a WSSNC member prepare a pig pick’n. Katie, Roger, and Steve will make arrangements for meals. The Arboretum does not provide coffee or drinks and Katie agreed to handle drinks for the break. Roger will also inquire about pesticide credits.

Topics discussed for the meeting included weed control in the Wildflower program, importance of the ornamental industry to the state of North Carolina, legal issues, emerging weeds, worker protection, and private companies.

The board agreed to raise membership dues to \$15.00, with the meeting cost variable, not to exceed \$20.00. This idea was positioned at the 2004 annual meeting and the membership sent it back to the board. The WSSNC constitution will be checked to make sure this follows the Society’s rules. Company sponsorship will be \$400.

Leslie Fuquay has agreed to scan the WSSNC constitution into an electronic version for editing purposes and posting on the Society’s website. Leslie also asked for newsletter items. Mike Burton informed the board that he is in possession of the gavel and the meeting was adjourned at 8:45 a.m.

**MINUTES OF THE
WINTER BOARD MEETING**

**December 10, 2004
Tom McKemie, Secretary-Treasurer**

The meeting was called to order by Katie Jennings to discuss topics for the upcoming meeting. In attendance were Katie Jennings, Mike Burton, Joe Neal, Steve Hoyle, David Monks, Ian Burke, and Tom McKemie. The meeting started at 1:00 p.m. in Kilgore Hall. The discussion was to have a variable set of 2005 meeting topics to cover issues around weed resistance based on current glyphosate programs. In addition to the standard talks, a panel discussion will be part of the meeting. Katie collected many ideas and will use them to plan the meeting. The meeting was adjourned at 2:30pm.

BOARD OF DIRECTORS

President:
 Mike Burton, NC State University
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 email: mike_burton@ncsu.edu

Past President:

Roger Batts, N.C. State University
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Vice-President:

Katie Jennings, N.C. State University
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Secretary-Treasurer:

Tom McKemie, BASF
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Directors-at-Large:

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Joe Neal, N.C. State University
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Ian Burke, N.C. State University
 Box 7620, Raleigh, NC 27695
 e-mail: ian_burke@ncsu.edu

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| COMMITTEE CHAIRS |
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|-------------------|----------------------------|
| Awards: | Leon Warren |
| Finance: | Sue Rick |
| Student Affairs: | Katie Jennings |
| Historical: | Rolf Jesinger, Tom McKemie |
| Publications: | Leslie Fuquay, Mike Burton |
| Public Relations: | Ken Teeter |
| Nominations: | Roger Batts |
| Legislative: | Tom Hunt |
| Membership: | Ken Teeter, Roger Batts |
| Program: | Katie Jennings |
| Web Site: | Steve Hoyle |

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| IMPORTANT DATES |
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National Invasive Weed Awareness Week, Feb 27-Mar 4, 2005, Holiday Inn Capitol, Washington, DC

NC Exotic Pest Plant Council, Mar 2, 2005, NC Botanical Garden, Chapel Hill, NC

WSWS, Mar 8-10, 2005, Hyatt Regency Hotel, Vancouver, BC

WSSNC, Mar 10, 2005, J.C. Raulston Arboretum, Raleigh, NC

14th Annual SE Lakes Management Conference, Apr 13-15, 2005, Asheville, NC

Aquatic Weed Control Short Course, May, 2005, Fort Lauderdale, FL

Aquatic Plant Management Society, Jul 10-13, 2005, San Antonio, TX

SC Aquatic Plant Management Society, Aug 17-19, 2005, Springmaid Beach, Myrtle Beach, SC

NCWSS, Dec 12-15, 2005, Kansas City, MO

NEWSS and NEAPMS Joint Meeting, Jan 3-6, 2006, The Westin Hotel, Providence, RI

SWSS, Jan 23-26, 2006, San Antonio, TX

WSSA, 2006, Marriott Marquis, New York, NY

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| RECENT AWARDS AND RECOGNITION |
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2004 WSSNC Annual Meeting Awards

Distinguished Service Award: Steve Hoyle

Outstanding Ph.D: Andrew MacRae

Outstanding MS: Robbie Parker

Student Posters: 1st place – Gerald Henry
 2nd place – Wesley Everman

2004 NEWSS Collegiate Weed Contest

Eight graduate teams and four undergraduate teams from universities in Canada and the Northeastern U.S. (SUNY-Cobleskill, Nova Scotia Agricultural College, Guelph University, Cornell, Virginia Tech, N.C. State, and Penn State) competed for top honors this year. The competition was hosted by N.C. State University at the Lake Wheeler Road Research Farm. Events included Sprayer Calibration, Weed Identification, Unknown Herbicide, and Farmer Problems. **N.C. State Team A (Ian Burke, Whitnee Barker, and Wesley Everman)** took first place in the graduate division and **Ian Burke** won third place in the individual awards of the graduate division. **Congratulations!**

David Monks and Carrie Judge did a fantastic job coordinating the competition. Joe Neal, with assistance from Mike Burton, provided a challenging set of plants and materials for the Weed Identification section. Of course, this event may have been most popular with the competitors for another reason – it was housed in an air-conditioned building, the only respite from the 90° temperatures and high humidity. Roger Batts coordinated preparation of the tough Unknown Herbicide course. Students enjoyed many of the surprising and tricky Farmer Problems, and many excelled in the Calibration event. Dr. Fred Yelverton's crew kept everyone well-fed with a hotdog and hamburger supper the evening before competition and a Carolina-style pig pickin' at the awards banquet. Many thanks to the 45 volunteers who set up events, shuttled competitors, judged, scored, and kept everything running smoothly.

2005 SWSS Annual Meeting Awards

Outstanding Educator: Dr. John Wilcut

Outstanding Grad. Student (Ph.D): Ian Burke

Outstanding Grad. Student (M.S.): Whitnee Barber

Poster: 1st place – Andrew Gardner
Combined Presentation: 1st place – Ian Burke

DISTINGUISHED SERVICE AWARD NOMINATIONS

Please send nominations for the WSSNC Distinguished Service Award to Leon Warren at Box 7620, N.C. State University, Raleigh, NC 27695-7620 or by e-mail at leon_warren@ncsu.edu. A brief description of the contributions of the individual to the WSSNC and weed science in North Carolina is requested with the nomination.

STUDENT UPDATE

Katie Jennings, Student Affairs

Andrew Gardner grew up in Stanly County, North Carolina, on a small horse farm in a little town called Locust. He got his start in agriculture early by spending time with his Grandpa in his garden during the summers. Andrew was active in his home church as well as the Boy Scouts. He became an Eagle Scout in 1997. During his sophomore year in high school he got the privilege to work on his Agriculture teacher's farm, where he continued to work through the remainder of his high school career and during the two years he attended Stanly Community College. Upon completion of the college transfer program he came to N.C. State University, and worked as an intern with Dr. Alan York during his last summer as an undergraduate. He completed a B.S. in Agronomy (Spring 2004) and began his graduate research immediately thereafter. Andrew is currently pursuing his Master's degree under Dr. York.

Peter Dittmar grew up on a family farm in northern Illinois. He received his A.A.S. in Ornamental Horticulture from Kishwaukee College and B.S. in Plant and Soil Science from Southern Illinois University-Carbondale. He will complete his M.S. at North Carolina State University, advised by Dr. David Monks. His research examines the affects of *Sanea* on watermelons.

Whitnee Barker is currently pursuing a Ph.D in weed science at North Carolina State University under Dr. John Wilcut. She plans to investigate weed biology and ecology of invasive weeds species in North Carolina. Whitnee is from Flemingsburg, KY. She completed her B.S. degree in Agricultural Biotechnology with a double major in Biology from the University of Kentucky in May of 2002. She then pursued a Master of Science from Virginia Tech in Plant Pathology, Physiology, and Weed Science which she completed in May of 2004.

PURPOSE OF WSSNC

“To advance the discipline of weed science in North Carolina and improve the well-being of the citizens of the state through a better understanding of weeds and their management”.

OBJECTIVES OF WSSNC

“To promote leadership, unity, and communication among state weed scientists in universities, government and industry, users of weed science technology, workers in interdisciplinary activities, and other organizations with mutual interests, foster and support research, teaching, and extension problem solving efforts in weed science, and promote safe and effective use of herbicides and other weed management technologies in North Carolina”.

MEMBERSHIP IN WSSNC

All individuals interested in weed science and/or weed management shall be eligible for membership. Active members include those who have paid dues. Supporting members include any individual or firm concerned with manufacture, distribution, or application of weed management materials or devices who contribute financially to the Society.

NEWSLETTERS AND WEB SITE

Newsletters are distributed electronically to the membership via email several times per year and posted along with other information on the WSSNC website. Election ballots will be included in a separate communication, approximately two weeks before the annual meeting. Information concerning weed tours at N.C. State University will be sent to the membership approximately one month before the event.

Send contributions, comments, and suggestions concerning the newsletter to:

Newsletter Editor:

Leslie Fuquay, Syngenta Crop Protection
PO Box 18300, Greensboro, NC 27419-8300
Phone: (336) 632-6359 Fax: (336) 632-6021
email: leslie.fuquay@syngenta.com

The WSSNC web site is maintained by Steve Hoyle. Please send comments and suggestions concerning the web site to:

Webmaster:

Steve Hoyle
Box 7620, NCSU, Raleigh, NC 27695-7620
email: steve_hoyle@ncsu.edu





WEED SCIENCE SOCIETY OF NORTH CAROLINA

2005 ANNUAL MEETING

March 10, 2005
J.C. Raulston Arboretum
N.C. State University
Raleigh, North Carolina



Reaching Back and Looking Forward

This year the Weed Science Society of North Carolina executive board decided to try a new format for the program at the annual meeting. Rather than having several speakers on the program there will be two speakers and a panel discussion (plus graduate student presentations, which will still occur after lunch). One speaker will address fumigation methods, available technology, and methyl bromide alternatives and the other speaker will address new developments in invasive species mapping techniques. Following these speakers a panel discussion will be conducted for an hour and a half where all members will address emerging issues in weed science in four disciplines including ornamentals, turf, vegetables, and agronomic crops. Each discipline will be allotted approximately 20 minutes for discussion. We ask you to begin thinking now about changes you have seen and changes you believe are coming and be prepared to participate in a lively discussion among your colleagues. If any of you have digital photographs of new weeds, new application methods, or anything that you want to share with the entire membership, please email the photographs to Katie Jennings (katie_jennings@ncsu.edu) by March 7th.

8:30 am **Registration**

9:00 am **Opening Remarks**
Dr. Mike Burton, President, WSSNC

9:10 am ***Fumigation Technology and Methyl Bromide Alternatives***
Victor Lilley
Reddick Fumigants

9:40 am ***New Developments in Invasive Species Mapping Techniques***
Beau Long
UAP Timberland, LLC

10:10 am **Break**

10:30 pm **Panel Discussion:**
Emerging Issues in Agronomic Crops, Ornamentals, Turf, and Vegetables

12:00 pm **Lunch**

1:00 pm **Graduate Student Presentations**

1:45 pm **Business Meeting**
Dr. Mike Burton
Crop Science Dept, NCSU

2:30 pm **Industry Updates**
Dr. Katie Jennings
Dept of Horticultural Science, NCSU

3:00 pm **Adjourn**

DIRECTIONS TO J.C. RAULSTON ARBORETUM

4415 Beryl Road 27606
(919) 515-3132

From I-40/Research Triangle Park/RDU Airport:

Take Wade Ave. exit at I-440 split (right lanes). Take Blue Ridge Rd. exit just past RBC Center. Right at light onto Blue Ridge Rd. Straight across Hillsborough St. at stoplight (State Fairgrounds on right). Cross railroad tracks and take immediate left on Beryl Rd. Arboretum is approx. ¼ mile on the right. Parking lot space is limited; additional parking on Beryl Rd.

From NCSU area:

Take Hillsborough St. towards the State Fairgrounds. Pass stoplight at Meredith College entrance. Turn left at next stoplight (Waffle House on left), cross railroad tracks and bear right onto Beryl Rd. Continue straight past Method Rd. Arboretum is approx. ¼ mile on the left. Parking lot space is limited; additional parking on Beryl Rd.

NOTICE TO MEMBERSHIP

During the 2004 Annual Meeting, our membership voted in favor of empowering the WSSNC Board to set membership dues and registration fees. The Board has done so by increasing dues to \$15 to set this year's total meeting cost at \$25 per member. However, in order to make a dues change permanent, amendments to the WSSNC Constitution are required. As required by the WSSNC Constitution, a message was sent to the membership as 30 days advance notice of proposed amendments to our Constitution.

Background information: The WSSNC Board of Directors determined that, in order to ensure the long term viability of the WSSNC, an increase in dues is necessary. Meeting registration fees will be set in order to defray the cost of the meeting. Also, since most projects reimburse their graduate students for the cost of the meeting, there is no perceived need to differentiate between regular and student membership. For access to previous newsletters and other historical information, please visit the WSSNC website at www.wssnc.ncsu.edu.

Biographical Sketches of 2005-2006 Candidates:

Clyde Bogle, a native of North Carolina, received his BS, MS, and Ph.D. degrees in Soil Science from NCSU, finishing in 1978. His studies involved soil physics and the influence of environmental factors on the growth and transpiration of cotton seedlings. Since 1990, Clyde has been the Superintendent at Upper Coastal Plain Research Station, Rocky Mount, NC, managing the diverse agricultural research programs. He has an Adjunct appointment with the Soil Science Department. From 1978-1989, as Assistant Professor, Department of Agricultural Engineering, Texas A&M University, Weslaco, TX, he conducted research in irrigation and drainage; soil, water, nutrient and salinity management for long-term sustainable agriculture; chemigation; and microclimate modification. From 1974-1978, he had a position as Assistant Professor-Technical Information Specialist, Oregon State University, Corvallis. He is currently a member of several national and local societies (Am Soc Agric Eng, Am Soc Agron, Soil Sci Soc Am, Am Peanut Res Educ Soc, Res Ctr Administr Soc-SAAS, NC Sect-Am Soc Agric Eng, (President: 1997-1999), NC Irrig Soc (President: 1999-2000), Soil Sci Soc NC, Weed Sci Soc NC, NC Soc Farm Managers & Rural Appraisers, & Plant Pathol Soc NC).

Reid Evans is the superintendent at Central Crops Research Station in Clayton, NC. He has been with the Research Station Division for 5 years, previously serving as superintendent at Umstead Research Farm in Butner, NC. Prior to joining the Research Station Division, Reid was employed by BASF Corporation for 14 years, first as a field biologist in Florida and then as a research associate in RTP associated in the development of herbicides and plant growth regulators. Reid earned his Ph.D. from the University of Tennessee in Plant and Soil Science with an emphasis in weed science. Before joining BASF, he served for 6 years as a research associate at the Middle Tennessee Experiment Station in Spring Hill, TN.

Loren Fisher received a B.S. in Agricultural Education from NCSU in 1994 and a M.S. in Crop Science from NCSU in 1997. He was hired as an Extension Associate in the Crop Science Department in 1997, where he worked in research and

extension programs for the production and management of flue-cured and burley tobacco with Drs. Gerald Peedin and David Smith. He received a Ph.D. in Crop Science from NCSU in 2002 and was then hired as an Assistant Professor and Tobacco Extension Specialist. His current research and extension programs cover many aspects of tobacco production and management with emphasis on weed and sucker control. Loren also teaches two courses in the Agricultural Institute.

Robbie Parker received his B.S. in Agronomy from North Carolina State University in 2002. He then received his M.S. in Crop Science specializing in weed science under the direction of Dr. Alan York. Currently, Robbie is working full time as an Extension Associate with the tobacco program, evaluating pesticide residues in tobacco. He is also pursuing his PhD. under the direction of Dr. David Smith and Dr. Loren Fisher. As a student, he participated in several extension field days and was a member of the NCSU Weed Team in 2002, where his team finished first overall and he finished second place in the individual competition. In 2003 and 2004, Robbie placed first in the graduate student paper contests at both the Beltwide Cotton Conference and Southern Weed Science Society meetings and third place at the North Carolina Crop Protection School. Robbie was also named the Outstanding Master of Science Student by the Weed Science Society of North Carolina at their annual meeting in 2004.

Paul Garvey is a Field Biologist and owner/operator of Agricultural Systems Associates, a privately funded contract research business offering services in agricultural and environmental testing. His responsibilities include personnel and financial management, strategic business planning, and tactical interaction with growers, university, and industry. His agricultural roots began on a family farm, but interest in weed science as a discipline began with involvement in IPM programs at Open Grounds Farm, Inc. in the 1980's after earning an AAS in Agricultural Business Management. Leaving the blacklands farm to further his education at NCSU, Paul graduated Magna Cum Laude with a B.S. in Agronomy in 1993 and continued at NCSU through 1999 to earn his Ph.D. in Horticultural Science with a weed science emphasis. Paul has been involved in WSSNC since 1991 and is a member of SWSS and NAICC. As a Member-at-Large on WSSNC Board of Directors, Paul offers to utilize his formal training, practical experience, and business relations to pursue the objectives set forth by WSSNC.

Phillip D. Winslow is an Agricultural Research Superintendent III at the N.C. Department of Agriculture & Consumer Services Caswell Research Farm. He graduated from N.C. State University with a B.S. in Agronomy in 1988. He also received a M.S. in Agronomy (weed science) at Oklahoma State University in 1990. He was employed in the private sector for 10 years prior to becoming a NCDA&CS employee in 2001. During this time he worked as a crop consultant and assisted in managing a 6,000 acre farm. Phillip is currently the superintendent of the Caswell Research Farm and is responsible for management and operation of the farm, one of 18 research facilities in a statewide network facilitating the work of N.C. State University researchers, as well as providing revenue for the State of North Carolina. Research programs benefit the local agricultural community in addition to the state's ag industry. Phillip also manages a staff of 12 employees on the Research Farm. This includes the hiring, training, supporting, performance reviews and any disciplinary actions, as needed.

Wesley Everman is currently working on his Ph.D. with Dr. John Wilcut, investigating the environmental factors effecting herbicide efficacy on various weed species and heritability of herbicide resistance. Originally from Iowa, he received his undergraduate and Master's degrees from Purdue University. His Master's work was on the effect of pre- and postemergence herbicides on the spectral characteristics of corn. Wesley has served as President of the Crop Science Graduate Student Association as well as Crop Science representative to the University Graduate Student Association in his time at North Carolina State.

Davie Wilson was born in Batesville, Mississippi in 1977. He was raised on a family farm in the Mississippi Delta where cotton and rice were the principal commodities. He graduated from Senatobia High School in 1995. Upon completion of high school he attended Mississippi State University where he received a B.S. in Agronomy in 2000, and a M.S. in Weed Science under the direction of Daniel Reynolds in 2003. He is currently pursuing a Ph.D. under the direction of Alan York, in which his dissertation research focuses on weed management and agronomic considerations in 15-inch-row cotton, as well as the biology, ecology, and control of doveweed.

