



President's Message

BOB SCOTT

Each year is a struggle if you work in Ag. I think even more so in Weed Science. I always felt like we were in a bit of a fist fight with Mother Nature, the crop, the weeds and trying to get everything to work in unison to make a good looking weed control test. It is satisfying to put that final bit of yield data in the computer and be done. It's a time to reflect on the year's successes and failures. This year is no different. I fought drought, followed by several unwanted rains at harvest here at the Rice Research Center. I am sure each of you fought the good fight at your locations as well, my hope is that your year was fruitful.



We have some extra time this year to enjoy the holidays and prepare data and presentations for our annual meeting. This year's meeting at the Renaissance hotel in Oklahoma City is a bit later than normal. The dates are February 3-7. Program chair James Holloway has been hard at work preparing a good program for this year. The theme this year is around "Unity" a good theme for the divisive year that the society has had around several issues. I hope this meeting starts bringing us back together. The venue is nice and is close to "Bricktown" which is a renewal area near downtown and hosts a number of restaurants, Bars and a Bass Pro Shop. It should be a good meeting site and program. See James's update in this newsletter for more details. I do want to add one special thanks to Dr. Don Murray, Oklahoma State University-retired, for his help in obtaining our keynote speaker this year. Thanks Don!

Weather permitting we will be holding the annual Endowment golf tournament this year. The tournament provides an excellent platform for friends and colleagues from across the weed science landscape to come together for networking opportunities. It will be held on Sunday, February 3 at Lincoln Park Golf Course in Oklahoma City, OK. Remember, all proceeds from the tournament go to the SWSS Endowment, therefore, industry sponsorship is encouraged. The registration Form can be found at: <http://www.swss.ws/wp-content/uploads/2019-Golf-Registration.docx>. If you have any additional questions, please don't hesitate to contact Hunter Perry by email (dhperry@dow.com). Also, I want to thank Hunter for his service to the society in hosting this tournament and in the many other things he does.

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2019 Annual Meeting

February 3-6, 2019

Renaissance Convention Center

Oklahoma City, OK

Look for more details at:

WWW.SWSS.WS

One of the best parts of being a part of the SWSS is getting to honor your friends and colleagues for their efforts in the discipline of Weed Science. This can be done through awards and appointments to serve on the Board of Directors. We had great candidates this year for our two open positions on the SWSS Board of Directors. Dr. Clete Youmans, R&D Representative for BASF Corporation, will be the incoming Vice President and Dr. Greg MacDonald will be the new Representative for the Endowment Foundation Board. As for the award winners, well – I will see you at the Banquet!



Clete Youmans

Finally this will be my last presidents' message, it has been an honor to serve the society the past 4 years. I will be both happy and sad to hand the gavel to my friend and colleague Dr. James Holloway after the banquet at our next meeting. He is inheriting a dynamic and involved board of directors and the society will be in good hands. I appreciate the responsiveness and support of my Board this past year. I also want to express my appreciation to our IMI representative and Business Manager Ms. Kelley Mazur. She has done an outstanding job this past year. I encourage everyone to find a way to serve their society it is one of the most rewarding things I have done in my professional life.



Greg MacDonald

Be safe, be kind and take care. See you in OKC!

Letter from the Program Chair

JAMES HOLLOWAY

First let me say that I appreciate everyone's efforts to get their titles turned entered in a timely manner. I have completed putting the program together and it is looking like we are set to have a great meeting! Please join us in the General session for a special Key note Speaker. Mr. John Smith, former US Olympic Gold Medal wrestler and current OSU head wrestling Coach.



Coach John Smith

Coach Smith is a two-time NCAA Division I national champion, and a six-time world and Olympic champion. He was born in Del City, Oklahoma and now resides with his wife Toni and their 5 children in Stillwater, Oklahoma. He was inducted into the National Wrestling Hall of Fame in 1997. In addition, he has a wrestling move named after him, called the John Smith single, which I am told he will demonstrate on Dr. Tom Mueller after his talk. Coach Smith has a connection with this group. He is the only living wrestling coach to have an Oklahoma wheat variety named after him called "Smith's Gold". I want to thank Dr. Don Murray for his assistance in asking John to be our Keynote speaker at the general session.

In addition, the general session will include an update from our President, our 3 Endowment Enrichment Scholarship winners; Zach Lancaster, Wykle Greene, and Cole Smith, as well as, an update from Lee Van Wychen on Weed Science and Politics in Washington, DC.

Following that, we will have a great symposium on New Technology in Weed Science. That in-

cludes a variety of presentations that range from use of social media to drones. This year we will have over 100 talks and over 120 papers presented. Almost half of these presentations will be in the student contests! So I expect the quality of presentations to be high.

The hotel is the Renaissance and the rooms are great and is attached to a convention center with ample space for our needs. It is located near some good dining in the Bricktown area of Oklahoma City.

Here is promotional link about Oklahoma City: [Greater OKC Chamber 2018 promo](#). I am looking forward to seeing you all in OKC!

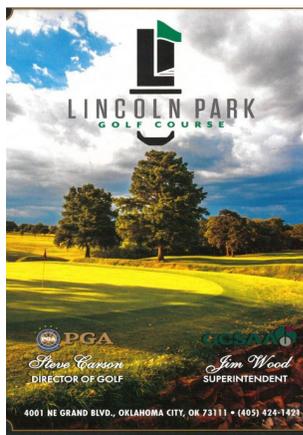
2019 SWSS Annual Meeting Endowment Golf Tournament.

HUNTER PERRY

The Annual Foundation Golf Tournament Will Go On Weather Permitting!

Two impressive, championship courses are waiting for you at Lincoln Park Golf Course in Oklahoma City. The East course at Lincoln Park is sure to test your skills and is certain to provide an enjoyable round of golf every time you play it.

The West course is the featured golf course at Lincoln Park. At nearly 6600 yards from the black tournament tees, this par-71 course is one you don't want to miss. The par-5 #1 hole is a dogleg left that vaults you into a challenging 18-hole masterpiece. Both of these courses are always maintained in tournament condition. Director of Golf Steve Carson and Superintendent Jim Wood are proud to invite you to Lincoln Park and what you'll discover to be one incredible golfing experience.



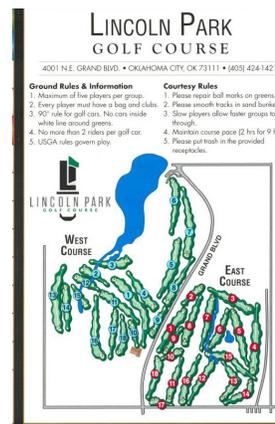
Student members as well as members from all areas of the organization are encouraged to participate in this affordable event. The tournament provides an excellent platform for friends and colleagues from across the weed science landscape to come together for networking opportunities. The tournament will be held on Sunday, February 3 at Lincoln Park Golf Course in Oklahoma City, OK. All proceeds from the tournament go to the SWSS Endowment, therefore, industry sponsorship is encouraged.

Registration information and the golf tournament overview are in the links below and they should include all tournament and sponsorship information needed. A detailed agenda will be assembled as the meeting gets closer.

Registration Form: <http://www.swss.ws/wp-content/uploads/2019-Golf-Registration.docx>

Link to the golf course: <http://www.okcgolf.com/lincoln/>

Please help us in continuing this enjoyable tradition and support of the SWSS Endowment. If you have any additional questions, please don't hesitate to contact me by email (dhperry@dow.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 (kelly@imigroup.org ; 303-327-8016) for assistance.

People and Places

From Tom Barber....We are excited to welcome Dr. Thomas Butts to the University of Arkansas, Division of Agriculture. Dr. Butts will assume the role of Extension Weed Scientist for soybean and rice crops on November 26, 2018. Dr. Butts received a Master's in Weed Science from the University of Wisconsin-Madison and a Doctorate in Weed Science from the University of Nebraska-Lincoln. He will be located at the Lonoke Extension Center. He can be reached at 501-676-3124 or tbutts@uaex.edu, please welcome this Northerner to the Southern Region!



Announcements

New book available: "Weed Science. Sustainability, Hazards and Risks in Cropping Systems Worldwide" edited by Nicholas E. Korres, Nilda R. Burgos and Stephen O. Duke (Weed Control Prelims Pages).

The book will be published by CRC Press this December. It contains 34 Chapters the majority of which cover agronomic, horticultural, and perennial crops. The book will be offered at a discount to Southern Weed Science Society members. Contact Nicholas Korres (korres@uark.edu) for more info.

The Tennessee Weed Short Course to be held. Contact Dr. Tom Mueller for more information (tmueller@utk.edu).

Please complete and mail to:

TN Weed Science Society
Attn: Tom Mueller
P. O. Box 52141
Knoxville, TN 37950
or
www.tnws.org



**Yes, I want to attend the
2019 TN Weeds Short
Course in Colorado**

Name: _____

Company/affiliation: _____

Mailing Address

City _____ State _____ Zip _____

Phone: _____

Email: _____

For more information, contact Tom Mueller at
(866) 974-8805 or tmueller@utk.edu or visit
our website at www.tnws.org
(Registration is now open)

Class size limited to 40 students, so sign up
now!!

Tennessee Weed Science Short Course

Do you need a concentrated, focused
short course to refresh your knowledge of
herbicide modes of action and herbicide
resistance? This is the course for you!

What is included in the course?

1. 108 hours of instruction, hands-on
demonstrations and fieldtrips
2. All students receive comprehensive workbook
detailing course content

How much does the course cost?

- Course fee is \$1000 per person
- Course materials and handouts
included with registration



Attendees tour field plots at
2015 Short Course



Tennessee Weed Science
Short Course On
Herbicide Modes of
Action and Resistance in
Weeds
www.tnws.org

**August 5-8, 2019
Fort Collins, CO**

Lory Student Center
Colorado State University
Fort Collins, CO 80523-8033
970-491-0229

Contact Us Tom Mueller, Coordinator
Phone: 865-974-8805
tmueller@utk.edu

TENNESSEE WEED SCIENCE SOCIETY

P.O. Box 52141
Knoxville, TN 37950
www.tnws.org

Washington Report

November 9, 2018

Lee Van Wychen

EPA Re-Registers Dicamba Through 2020

On October 31, 2018, EPA extended the registration for two years for over-the-top use of dicamba to control weeds in fields for cotton and soybean plants genetically engineered to resist dicamba. This decision was informed by collaboration between EPA, the pesticide manufacturers, farmers, state regulators, and other stakeholders. The registration includes label updates that add protective measures to further minimize the potential for off-site damage. The registration will automatically expire on December 20, 2020, unless EPA further extends the registration. Details are at: <https://www.epa.gov/ingredients-used-pesticide-products/registration-dicamba-use-dicamba-tolerant-crops>

Weblinks to the following product labels:

[2019 Xtendimax with Vaporgrip](#) (aka: M1748 Herbicide). Note- there has been an update since the first version of this label posted on Nov. 1, 2018

[2019 Engenia](#)

[2019 Fexapan](#)

Congress Punts Farm Bill Until After the Elections

The Farm Bill conference committee composed of 47 House members and 9 Senators, could not reach agreement on a compromise between the House- and Senate-passed Farm Bills before the House adjourned on September 28. The House is not scheduled to return to business until November 13, a week after the midterm elections.

There are parts of the House bill and parts of the Senate bill that we'd like to see make it into the final conference agreement. For the House bill, this includes a legislative fix for the duplicative National Pollutant Discharge Elimination System (NPDES) program permits, a Congressional repeal of the 2015 Waters of the United States (WOTUS) rule, legislative guidance to streamline the FIFRA-Endangered Species Act consultation process, and reauthorization of the Pesticide Registration Improvement Act (PRIA). A provision in the Senate bill we'd like to see passed is the reauthorization for the Foundation for Food and Agriculture Research (FFAR).

A lot of pressure is being applied by Farm Bill stakeholders of all stripes and colors to complete a Farm Bill during the upcoming lame duck session. Let's hope Congress can reach a compromise on this. However, anything is possible, including a multiyear extension of the current Farm Bill.

Five of 12 Appropriations Bills Approved, but Not Ag

As of September 30, five of the 12 annual appropriations bills have been completed. These include: 1) Military Construction and Veterans Affairs; 2) Energy and Water; 3) the Legislative Branch; 4) Labor, Health and Human Services, and Education; and 5) Defense. Congress still must approve appropriations bills related to: 1) Agriculture; 2) Commerce, Justice, and Science; 3) Financial Services; 4) Homeland Security; 5) Interior and Environment; 6) State and Foreign Operations; and 7) Transportation and Housing and Urban Development (T-HUD).

For the remaining seven appropriations bills, Congress approved a continuing resolution (CR) that will keep the federal government funded through December 7, 2018. Lawmakers had hoped to bundle the Agriculture, Interior-Environment, T-HUD and Financial Services bills into one mini-bus package, but progress slowed in the past month due to differences between the House and the Senate on specific funding levels and certain policy riders. It remains to be seen if agreements can be worked out during the lame duck session after the midterm elections.

Angle Begins Term as USDA NIFA Director



U.S. Secretary of Agriculture Sonny Perdue swore in Dr. J. Scott Angle as the Director of the National Institute of Food and Agriculture (NIFA) on October 29. The White House appointed Angle for a six-year term at the agency on August 31.

Dr. Angle was most recently President and CEO of the International Fertilizer Development Center (IFDC). He worked for 24 years as a professor of soil science and administrator for the Maryland Agricultural Experiment Station and Maryland Cooperative Extension at the University of Maryland. He also served as Dean and Director of the College of Agricultural and Environmental Sciences at the University of Georgia for 10 years. He is a Fellow at the American Society of Agronomy and the Soil Science Society of America. Dr. Angle earned his Ph.D. in soil microbiology from the University of Missouri.

Dr. Scott Hutchins, the Global Head of Integrated Field Sciences for Corteva is still awaiting Senate confirmation for the role of USDA Under Secretary for Research, Education and Economics, which is also referred to as USDA's Chief Scientist. If confirmed by the Senate, he will oversee the operations of ARS, NIFA, NASS, and possibly ERS.

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 by the end of 2019. 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.

USDA's announcement of intent to move the agencies has garnered many concerns from the ag research community, including WSSA. Some of our concerns about moving NIFA out of the National Capitol Region (NCR) include:

- Isolating NIFA from stakeholders (commodity groups, agricultural leaders, university administrators, academic scientists). Stakeholder leaders routinely travel to the NCR to meet with legislators and many other agencies. If NIFA is located outside the NCR, it will become more difficult for many stakeholders to visit NIFA, and many stakeholders would incur additional travel

expenses and inconvenience to do so, making these trips less frequent. How does USDA envision maintaining strong stakeholder input?

- Isolating NIFA from other research agencies (i.e. NSF, DOE). Increased inter-agency collaboration is needed in order to address the major scientific challenges facing agriculture. For example, herbicide-resistant weeds can now be found on over 100 million acres in the U.S. New technologies like robotics with computer vision and machine learning algorithms for intelligent weed removal are likely to play a role in addressing this challenge. Innovations like these will require transdisciplinary research in agriculture, engineering and computer sciences. How does USDA envision strengthening these needed collaborations if NIFA is located outside the NCR?
- Loss of NIFA personnel who are unable to move will likely disrupt productivity and take considerable time to fully re-staff. How long does USDA anticipate it will take to build back to full staffing? How will USDA assure program continuity and minimize disruption during this transitional period?
- Potential conflict of interest with land grant universities near the new location. For example, would a NIFA location in Missouri favor grants to agricultural commodities prevalent in Missouri? How does USDA envision maintaining an unbiased prioritization and proposal review process?

2,4-D Task Force Update

The [Industry Task Force II on 2,4-D Research Data](#) is a joint research venture that funds the Good Laboratory Practice (GLP) research studies required to support the registration and registration review of 2,4-D in the U.S. and Canada.

Check out Brad Hanson and Tim Miller's analysis of [Orchard, Vineyard, Hops, and Soft Fruit Production](#). They examine 2,4-D's unique fit in production systems that use grass cover crops between rows of perennial fruit and nut trees.

Scott Nissen at Colorado State University examines the [aquatic uses](#) of 2,4-D, concluding that if were 2,4-D unavailable, state government agencies would have to either increase their budgets for aquatic weed control by a factor of 13, or drastically reduce the acreage protected.

Finally, Nelson-Schneider Consulting has assembled detailed information on the properties, characteristics, effectiveness and trade-offs of [Amine and Ester formulations](#). Moreover, they lay out how drift can be managed through proper selection.

Farm Bureau Seeks National WOTUS Injunction

The American Farm Bureau Federation and other business groups are asking a Georgia district court for a nationwide injunction on the Obama administration's Waters of the United States (WOTUS) rule. There is shifting patchwork of states where the 2015 WOTUS Rule is currently at play. As of September 28, there were 22 states plus the District of Columbia not covered by one of three different district courts' injunctions (federal courts in North Dakota, Georgia, and Texas). States not covered by a stay of 2015 WOTUS rule are: CA, CT, DE, HI, IL, ME, MD, MA, MI, MN, NH, NJ, NY, OH, OK, OR, PA, RI, TN, VT, VA, WA

Interior Rolls Out Reorganization Plan

On August 29, Interior Secretary Ryan Zinke announced the Department of the Interior's (DOI) plan to reorganize its bureaus into 12 "unified regions." The proposed management re-design

establishes new regional divisions based on the boundaries of states and watersheds (see map).

The proposal has been under development for several months. “Our new Unified Regions will allow important decisions to be made nearer to where our stakeholders and intergovernmental partners live and work, and will make joint problem-solving and improved coordination between our Bureaus and other Federal, State, and local agencies easier,” stated Secretary Zinke.



The 12 unified regions will replace the 49 individual Interior Bureau regional boundaries. Secretary Zinke said that the reorganization will “reduce bureaucratic redundancy, will improve communication between our experts in the field and leaders in Washington, D.C., and will allow us to share our knowledge and resources more effectively.”

Each new region will be managed under a “Regional Leadership Team”, an idea outlined by Susan Combs, acting Assistant Secretary

for Policy, Management and Budget for DOI. Combs described Alaska as a model for operations under the reorganization plan. “We started with a pilot in Alaska, because it’s one state that has all the bureaus, it already has a legislative framework that requires federal and state agencies to work together,” said Combs. “So, they are working away on inter-bureau collaboration.”

The plan applies to all Interior agencies, except the Bureau of Indian Affairs, the Office of the Special Trustee for American Indians, and the Bureau of Indian Education. Whether these agencies are eventually aligned with the new regional boundaries will be determined after tribal consultation.

New Cover Crops and Water Quality Fact Sheets Available

In a review of 98 publications, staff from USDA’s Sustainable Agriculture Research & Education (SARE) program and the University of Missouri identified how cover cropping influences soil and nutrient losses from agricultural fields, water infiltration, and soil organic matter. Cover Crops and Water Quality resources include five fact sheets, three infographics and a PowerPoint presentation template that can be downloaded and used for outreach and educational purposes.

Lee Van Wychen, Ph.D.
Executive Director of Science Policy
National and Regional Weed Science Societies
Lee.VanWychen@wssa.net
Phone: 202-746-4686

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

Position Vacancy Announcements

Research Associate - West Lafayette – Horticulture and Landscape Architecture, Purdue Turf and Weed Science Program

Purdue University is seeking a self-motivated individual to manage daily activities associated with turf weed research experiments and the turf extension program under the direction of the Turfgrass Extension Specialist, Dr. Aaron Patton. The selected individual will also work cooperatively with other staff to implement turfgrass and weed control research conducted at the William H. Daniel Turfgrass Research and Diagnostic Center as well as offsite on golf courses and commercial turf. Duties will include field and greenhouse plot preparation, planting, irrigation, general maintenance, nutrient and pesticide applications, data collection and entry, harvesting, and data summarization for research and demonstration projects. May communicate with collaborators at other institutions and organizations for coordination of project-wide goals, and contribute to project reporting. The individual is expected to assist in applying for research grants and writing peer-reviewed journal articles. Laboratory experience is also a plus. The individual will also be responsible for assisting with implementation of regional seminars and workshops and for providing assistance in development of materials for extension education programs. Job posting and application information: <http://purdue.taleo.net/careersection/wl/jobdetail.ftl?lang=en&job=1802084>

Post Doctoral Associate - West Lafayette – Horticulture and Landscape Architecture, Purdue Turf and Weed Science Program

Purdue University is seeking a self-motivated individual to coordinate project activities associated with turf weed science research under the direction of Dr. Aaron Patton. The selected individual will work cooperatively with other staff to design and implement turfgrass and weed control research conducted in Horticulture greenhouses, the William H. Daniel Turfgrass Research and Diagnostic Center, and off-campus locations. The individual will lead efforts on a newly funded USDA-NIFA project “Research and Extension to Address the Herbicide Resistance Epidemic in Annual Bluegrass in Managed Turf Systems” and also contribute to ongoing projects on *Digitaria* spp., *Plantago* spp., *Poa* spp., and *Taraxacum officinale*. Duties will include field and greenhouse plot preparation, planting, general maintenance, nutrient and pesticide applications, data collection and entry, harvesting, and data analysis for research projects. The individual will communicate with collaborators at other institutions and organizations for coordination of project-wide goals, and contribute to project reporting. The individual is expected to contribute to grant writing and publish research in peer-reviewed journals. Laboratory experience is required. The individual will also have the opportunity to present at seminars, conferences, and workshops and develop materials for extension education programs. Interested individuals should send a cover letter indicating their interest in the position and a curriculum vitae to Dr. Aaron Patton (ajpatton@purdue.edu).

Shenandoah Valley Agricultural Research and Extension Center, Steeles Tavern, VA Virginia Tech College of Agriculture and Life Sciences (CALs)

The Virginia Tech College of Agriculture and Life Sciences is seeking a Superintendent for the Shenandoah Valley Agriculture Research and Extension Center (SVAREC) to serve as the administrative head of the Center. <https://www.ares.vaes.vt.edu/ares/shenandoah-valley.html>

Required Qualifications: Master's degree in animal science, agronomy, or closely related area; Agricultural research experience, including operation of farm equipment; Strong professional leadership, communication, interpersonal and administrative skills; Ability to communicate effectively with individuals at all levels within the university, industry, and public sectors; Administrative experience with personnel and fiscal management; Strong commitment to applied research, extension programming, and the long-term sustainability of agriculture. For further information and to Apply: go to www.jobs.vt.edu search posting number AP0180388. Review of applications will begin on January 15, 2019 and continue until the position is filled

Virginia Tech has a strong commitment to the principle of diversity and, in that spirit, seeks a broad spectrum of candidates including women, minorities, and people with disabilities.

Montana State University, Department of Research Centers is currently searching for a Superintendent & Associate/Full Professor of Agronomy, at our Western Triangle Agricultural Research Center located in Conrad Montana, in the heart of the Golden Triangle in Montana (named for its famous high quality wheat production) and just North west of Great Falls, MT. For complete position description please see: <https://jobs.montana.edu/postings/14493>

In Memory



Former Oklahoma State Cotton Specialist, Dr. J.C. Banks recently passed away. Born in southwest Oklahoma, Dr. Banks was an active member of the SWSS for many years. He received his B.S., M.S. and PhD degrees from Oklahoma State University. He joined Eli Lilly in 1974 and returned to OSU as Cotton Specialist.

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