



A professional society representing the nation's crop production and research consultants

PRESIDENT'S COLUMN



By
Nathan Goldschmidt
NAICC
2018 President

The Future Of Resistance Management

This spring, I wrote an article about using dicamba and other pesticides responsibly. Farmers here in southeast Missouri and in many soybean-growing areas had struggled with symptoms of dicamba drift on their soybeans and other sensitive crops. This season, reports I have heard and articles I have read indicate that we did a better job of minimizing off-target pesticide impacts in 2018 compared with the past. We did have some help, though. The Arkansas State Plant Board banned dicamba use in the state from April 16 to Oct. 31, and Missouri banned its use after June 10 in southeast counties and after July 15 in all other counties. Applications in Missouri had to be made by trained applicators and occur between 7:30 a.m. and 5:30 p.m. There were many more restrictions and requirements, and they varied for every state. The Environmental Protection Agency told us in the spring that there would need to be significantly fewer complaints to justify extending the current labels for XtendiMax, Engenia and FeXapan, which are set to expire this fall. This decision was planned for late summer but had not occurred as of press time.

What Else Is There?

Farmers need more options for weed control. For post-emergence control of

Palmer amaranth, we currently have two options other than dicamba. Glufosinate and fomesafen applications must both be used on very small weeds, and excellent coverage and appropriate application conditions are absolutely critical for success. Enlist corn and cotton are commercially available and appear to be good systems, though I personally have not seen these crops in large-scale production. As with dicamba, I am assuming that we won't know what off-target issues may be observed until Enlist soybeans gain Chinese approval at some point in the future. LibertyLink GT27 soybeans will be available for 2019 in limited quantities. Their introduction will bring the first soybeans tolerant to both glufosinate and glyphosate. This trait package is also tolerant to the new HPPD/Group 27 herbicide, but that does not have full approval for use at this time.

Importance Of Resistance Management

I recently hosted a participant from the NAICC Leadership Program. He is a consultant from Wisconsin, which is beginning to experience tall waterhemp herbicide resistance, and he knew southeast Missouri was a core resistant amaranthus

area. We spent a good deal of time talking about resistance issues we have faced in the past 10 years to 15 years, and I mentioned I wished someone had told us back then to adopt a "start-clean, stay-clean" mentality concerning weed control. In those days, farmers would take off early, go to the lake, and wait until next week to spray. They knew a half rate of glyphosate would kill a 5' tall pigweed, and if they worked it right, then they might be able to get by with just one glyphosate application for the entire season. As I reflected on our past bad decisions and current three-to four-pass soybean weed control program, he told me I was describing the way many of his growers view weed control today. I did my best to show him the consequences of a reactive rather than proactive view of weed management.

In the past 10 years, attempts to bring new products to market have been met with obstacles that have delayed the availability of critical tools for farmers. It is clear we cannot rely solely on the promise of new products. Proper resistance-management practices are key to maintaining current and future weed control systems. As a result, emphasizing grower education is increasingly critical for the sustainability of modern agriculture.

2019 MEMBERSHIP DUES

The deadline for being included in the printed NAICC directory is November 30. If this is still on your to-do list, please follow these easy steps:

1. Log into naicc.org and click "Members Only" in the top right-hand corner. Your email is your username.
2. Create your password by clicking "Forgot Password" and type in a password of your choice. This is necessary only once. After the initial log in, just use your email address and password to log into the Members Only Section.
3. Edit or double check your profile, by clicking "Edit Profile". Please read over your profile to make sure that all your information transferred from the old website correctly. Remember to click SAVE.
4. Renew your 2019 Membership Dues by clicking on "Invoices and Payments".

Come Join Us In Savannah!



NAICC ANNUAL MEETING AND AG PRO EXPO

January 16-19, 2019

Savannah International Trade and Convention Center
Savannah, Georgia

www.naicc.org

The 2019 NAICC Annual Meeting & AG PRO EXPO is January 16-19 at the Savannah International Trade and Convention Center, Savannah, GA. Go to <http://naicc.org/2019-annual-meeting/> for a Schedule at a Glance, Program, Workshops, Meeting and AGPRO Expo registration and the hotel links to reserve your room. December 21st is the deadline for the early bird Annual Meeting Registration and also the last day to receive the discounted NAICC rate for your hotel room reservation.

NAICC Efficacy Workshop

The NAICC is hosting an Efficacy Research Workshop on Tuesday, January 15, 2019, from 1:00 pm – 5:30 pm. Topics will include trial setup, design and statistics and application techniques. Weed science, entomology, plant pathology and nematology will all be discussed. Speakers will include both contract researchers and university researchers from Georgia and Florida. The cost for the workshop is \$95 and you can sign up to attend when you register for the annual meeting. Please check out the link on the Annual Meeting page <https://naicc.org/2019-annual-meeting/>

NAICC GLP Training Workshop

The NAICC is hosting a GLP Training for Research and Quality Assurance Professionals Workshop on Tuesday January 15, 2019 from 8:00 am – noon. There are 4 workshops to choose from: Basic GLP Training, Refresher GLP Training, Practical Field Workshop Sampling and Practical Analytical Laboratory Workshop. The cost is \$125 and you can sign up when you register for the Annual Meeting. Space is limited in the Sampling and the Analytical Workshops. Please check out the link on the Annual Meeting page <https://naicc.org/2019-annual-meeting/>

GAIAC/NAICC/FEAE Commercial Production Of Hemp And Other Minor Crops Workshop

GAIAC, NAICC and The Foundation are jointly hosting a Commercial Production of Hemp and Other Minor Crops Roundtable Workshop on Tuesday, January 15, 2019, from 7:55 am to noon. The workshop will focus on agronomic production, pest management, regulatory and domestic and international commerce issues impacting production of hemp and other minor crops in North America and in other countries around the globe. The cost is \$65 and you can sign up when you register for the Annual Meeting. Please check out the link on the Annual Meeting page <https://naicc.org/2019-annual-meeting/>



Happenings on the Hill

Glenn Luedke, NAICC Legislative Assistant

IRS

Farm organizations are requesting the IRS change a proposed tax code amendment. The amendment, according to one major farm organization, threatens the viability of several important programs that work to preserve farm land and open space. Under section 17 of the tax code, IRS charitable deductions for donated conservation easements could be reduced by the amount of a state tax credit. Agricultural groups maintain that in order to preserve farmland, pasture, ranch land and woodlots is to permanently separate the right to develop property from remaining property rights by entering into a conservation easement agreement with a third party such as a conservation organization. (Conservation easements are valued at the difference between the market value of a property and before the easement and the market value after the easement - the difference can be significant when donated). It is requested that there should be a federal tax deduction for the full value of a donated development right and that a federal tax deduction not be reduced by the amount of a state tax credit. Without the change, it is predicted the reduced incentives would make it impossible for some landowners to participate in farmland preservation.

FDA

FDA has stated it will soon issue new industry guidance on regulation of biotechnology in animals and plants. Producer groups have expressed their disappointment. However, FDA is moving forward to regulate animal bio-engineering under its animal drug authority. FDA says its guidance will include risk-based categories for its regulatory oversight and provide flexibility to move between the levels of oversight. In a separate action, FDA will publish draft guidelines that will explain its policy for regulating foods produced through gene editing. The Secretary of Agriculture has expressed concern that the FDA regulatory approach to gene-editing could stifle innovation. FDA responded by stating that FDA's goal is to help usher in new, beneficial and safe products for consumers and animals as quickly as possible".

LABOR

A group of recently filed lawsuits is looking to require mandatory travel pay for agricultural workers who use employer sponsored transportation. Estimated costs could add as much as 30% to labor costs. The normal practice has been for farmers and labor contractors to provide transportation at no cost. Producers argue this method (usually bus) is much safer and more environmentally friendly.

The Department of Labor, Office of Foreign Labor Certification, recently announced the two most often cited actions against growers in the violation of the regulations relative to the H-2A visa program: The first being rejection of U.S. worker/not hiring a domestic worker who is able, willing and qualified to work on a H-2A job opportunity and, giving preferential treatment to foreign workers by providing higher wages, more hours, better worker or housing conditions for foreign workers than U.S. workers in corresponding employment. Other frequently cited violations include: Not paying the highest applicable wages, not paying for all hours worked, using an unlicensed driver to transport workers, using an unsafe vehicle to transport workers and not fully reimbursing workers the cost to obtain the H-2A visa, including but not limited to inbound and outbound travel and subsistence.

EPA

An EPA proposed rule would exempt livestock producers from reporting to state and local authorities the routine emissions from their farming operations. The ruling is in the final piece in the implementation of the FARM ACT, passed by Congress in early 2018. (Elimination of the need for livestock producers to estimate and report to the federal government emissions of the breakdown of manure). The FARM ACT fixed a problem created when a U.S. Court of Appeals rejected a 2008 rule that exempted farmers from reporting routine farm emissions under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), commonly known as the Superfund Law. CERCLA is used primarily to clean hazardous waste sites and includes mandatory federal reporting components.

Several environmental groups are requesting that EPA ensure stricter compliance on farmland used to grow crops for biofuels. A 2007 law expanding the Renewable Fuel Standard (RFS) barred farmers from using non-farmland to grow biofuel feedstocks. In the recently filed petition, the groups are requesting that EPA end its policy of calculating total farmland used to grow feedstocks and instead require farmers producing biofuel to prove they are using land that was farmland in 2007. The group further states that EPA ignored its legal obligation by refusing to endorse these crucial environmental protections. The Renewable Fuels Association stated there is no legitimacy to assertions that prairie has been converted farmland to support RFS.

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EPA has stated it is on track to issue a new WOTUS rule by September 2019. The proposal has not yet been published. Many doubt that it will be ready in September 2019, due to the complex nature of rulemaking. In addition, it is doubtful the deadline would allow for adequate public hearings (90 days proposed). Because of court rulings in different states, the 2015 rule is now in effect in 22 states and its implementation has been blocked in 28 other states.

EPA plans to announce proposed changes in January 2019 to the farmworker protection rules related to minimum age, designated representative, application exclusion zone and entry restrictions for enclosed space production.

USDA

The USDA announced the first update since 2013 of the “National Road Map for Integrated Pest Management”. The “National Roadmap” was first introduced in 2004 and is periodically updated to reflect the evolving science, practice and nature of IPM. The guidance defines, prioritizes and articulates pest management challenges and includes many different landscapes including agriculture, forests, parks, wildlife refuges, residential and public areas and military bases. Priorities are identified for IPM research, technology, education and implementation through information exchange and coordination among federal and non-federal researchers, educators, technology innovators and IPM practitioners.

The USDA wants to target fraudulent organic products but first has to solve the problem of inaccurate data on farmland acreage. The data problem appears to be unique to the organic sector. The responsibility of collecting organic has been passed around to different agencies over the past several years. One USDA database reports 121 million acres of organic farmland across the USA. However, the same database lists a global total of 13.5 million acres. USDA is now considering new reporting requirements to assist in developing a better nationwide accounting of the actual acreage.

Agriculture Secretary Perdue has stated that he definitely plans to follow the directive to cut the USDA budget by at least 5% and possibly more.

FARM BILL

The Administration has added \$500 million to the farm bill budget for “management and maintenance of forests”, a new category.

Several lawmakers state a finished Farm Bill soon after Congress returns after the election is possible. An expected demand for hurricane disaster funding is said to be behind this optimism for the progress. The House Ag Committee leadership group has been meeting during the recess and state that SNAP is not the only issue being discussed. Issues on the commodity side, along with conservation issues still exist. It is expected farm organizations will step up the pressure on negotiators to finish the new bill before the end of the year.

It is not expected there will be many leadership changes in the ag committees after the recent election. Rural voters turned out in large numbers and voters expressed the key action areas to be addressed including labor issues, boost the farm economy via export growth and reduce the burden and cost of federal regulations. Concern over these issues is not so much with the current and returning members but with the number of newly elected members and their lack of knowledge they may have regarding key issues important to agriculture.

On the state level, three states elected new agriculture commissioners. Eighteen states elected new governors with eight of those governors representing new political parties. Those eight governors will be appointing a new individual who will head up the agriculture department in their state.

Support NAICC By Serving On A Committee

In-coming President Matt Eich is in the process of appointing committee members for the 2019 NAICC Committees. This is a great way for you to get involved in NAICC and support the Alliance. Review the committee listing at <https://naicc.org/about-us/committees/> and let us know on which ones you are interested in serving. You can email Matt at MEICH@centrol.com or Allison Jones, EVP at allisonjones@naicc.org. Or you can mark the committee on your dues renewal form.

All committees meet on Wednesday afternoon at the Annual Meeting with the exception of the Allied Industry Committee which meets on Friday morning. Most committees will hold several conference call meetings throughout the year or conduct committee business via email communication. Any member in good standing can serve on any of the committees.

GLP Corner - Did You Know?

By: Torrance Lee, QA Specialist III, Valent U.S.A., LLC

Documenting the calibration, standardization, maintenance, and repair of equipment which is used to generate, measure, and assess data is required to ensure the integrity of the study (40 CFR §160.61). When an outside reviewer inspects our equipment logs, we want the records to show that our equipment is working properly and receiving the attention required to maintain study integrity. We also need to demonstrate that the values generated during the study are reliable and accurate. While it may seem intuitive to document repairs and calibration, the GLPs require additional information to be recorded which may not be so obvious. For instance, in section 40 CFR §160.63 (c), the GLPs require that the documentation “shall describe whether the maintenance operations were routine and followed standard operating procedures”. Later on in the regulations, the standards state that written records of nonroutine repairs shall document the “nature of the defect, how and when the defect was discovered, and remedial action taken in response to the defect”.

During recent EPA inspections, the agency has been issuing findings to facilities for failing to document whether the maintenance operations were routine or non-routine. Although not stated in the regulations, this documentation would typically be made on the equipment logbooks. Therefore, the statement of routine versus non-routine maintenance should be recorded explicitly. As we prepare for the end of 2018, it might be a good idea to check your equipment records and ensure you are meeting this requirement.

Partnership Between AUVSI And NAICC

NAICC has once again partnered with AUVSI to provide our members with free access to AUVSI webinars. AUVSI are providing NAICC members with an access code that will grant free webinar access (originally valued at \$49 per webinar) until the end of 2019. Through the AUVSI's Webinar Series you can learn from industry leaders without ever leaving your office. Each month, experts will share their insights and answer your questions about the unmanned community's most pressing issues. They will cover a variety of topics, including agriculture. Their upcoming webinar in February 2019 is titled Unmanned Systems on the Farm: Assessing the Impact of Unmanned Systems in Agriculture. <https://www.auvsi.org/events/webinars> The webinar registration code for free webinar access is NAICC1819.

CRISPR Webinar

NAICC has partnered with the Society of Quality Assurance (SQA) to offer free webinars to both NAICC and SQA members. SQA will host the first webinar on Wednesday, December 12 at 11:00 am eastern. The topic is “An Overview of CRISPR (CRISPR-Cas9, Clustered Regularly Interspaced Short Palindromic Repeats) for the QA Professional”. Dr. Rodolphe Barrangou will make the presentation on this new technology that facilitates making specific changes in the DNA of humans, other animals, and plants faster and easier than previous gene-editing methodologies. Barrangou is an Associate Professor, at North Carolina State University Department of Food, Bioprocessing and Nutrition Sciences, in Raleigh, NC.

NAICC members should use coupon code NAICCCR to participate in the webinar for free.

NAICC members who are not SQA members can join this complimentary webinar by using these steps:

1. Click on the link <http://bit.ly/CRISPR-NAICCCR>
2. Click “login to register”
3. Create an account
4. After creating an account, click on “Register” then “Add to Cart”
5. Click “View/Edit Cart”
6. Enter the coupon code and hit “Apply”
7. Then “Pay Now/Checkout”

Consultant and Quality Assurance CEUs At Annual Meeting

Consultants will have the opportunity to gain 25 Consultant Education Units (CEUs) through this year's CPCC program. NAICC has also submitted the preliminary program to various state and national certification programs and associations for CEU credit review. The Quality Assurance portion of the program is being reviewed for RQAP CEUs by the Society of Quality Assurance. CEUs awarded for these programs will be announced in the NAICC News, on the NAICC Web site and at registration.

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Call For Articles

The NAICC Newsletter Committee encourages members to submit articles for upcoming issues. We'd love to hear about your harvest season went or what you are planning for the winter months. Tell us a story that will make us laugh or write an article that will make us contemplate the world at large. The sky is the limit. Send your articles to committee chair Torrance Lee at Torrance.Lee@valent.com or to MemberServices@naicc.org.

Quote to Ponder

**“The secret of success is to be ready when
your opportunity comes.”**

- Benjamin Disraeli



**National Alliance
of Independent
Crop Consultants**

Allison Jones Executive Vice President
Donna Landis Director of Member Services

P.O. Box 209
Vonore, TN 37885
Phone: 901.861.0511 Fax: 423.264.0071
E-mail: AllisonJones@naicc.org
memberservices@naicc.org
www.naicc.org

Nathan Goldschmidt, M.S. President

MOARK Agricultural Research, LLC
4809 Hwy FF
Fisk, MO 63940
Phone: 573.967.2100
E-mail: nathan@moarkag.com



Roundtable Workshop

Commercial Production of Hemp and Minor Crops

Sponsored by:

Global Alliance of Independent Agricultural Consultants

National Alliance of Independent Crop Consultants

The Foundation for Environmental Agricultural Education

Grand Ballroom E
Westin Savannah Harbor Golf Resort & Spa
Savannah, Georgia

Tuesday, January 15, 2019

7:30 a.m. – 12:00 p.m.

- 7:30 Registration and Continental Breakfast
- 7:55 Introduction – Focus and Objectives
Jim Steffel, LABServcies, PA, USA
- 8:00 Introduction to Hemp
Dr. Phil Wilson, NC Department of Agriculture and Consumer Science,
Raleigh, NC, USA
- 8:25 Legal and Political Influences on Growing Hemp
Emily Febles, NC State University, Raleigh, NC, USA
- 8:50 First Hand Experience as a Hemp Grower and Consultant
Al Averitt, Protect Advisory Services, Lumber Bridge, NC, USA
- 9:10 Growing Poppy's in Tasmania: Production and the Regulatory Maze Associated
with a Narcotic Crop
Ian Macleod, Peracto, Devonport, Tasmania, AU
- 9:30 How Sustainable is the Hemp Industry?
Speaker To Be Announced
- 9:50 Break



NAICC EFFICACY RESEARCH WORKSHOP

How to conduct good efficacy research?



**Tuesday January 15, 2019
1:00pm – 5:30pm**

Prior to the 2019 NAICC ANNUAL and AG PRO EXPO
Savannah International Trade and Conference Center

ENTOMOLOGY - PLANT PATHOLOGY - WEED SCIENCE - NEMATOLOGY

- 1. Introduction - trial setup - resources for great success**
David Moore – Southeast Ag Research
- 2. Trial design & stats. - necessary trial design to obtain reliable results**
Dr. Julien Beuzelin - University of Florida
- 3. Product application techniques appropriate for trial objectives**
Steve West - RD4Ag
- 4. Weed science: herbicide efficacy research**
Dr. Eric Prostko - University of Georgia
- 5. Entomology: insecticide efficacy research**
Dr. Julien Beuzelin - University of Florida
- 6. Plant pathology: fungicide / bactericide efficacy research**
Dr. Gary Vallad - University of Florida
- 7. Nematology - nematicide efficacy research - industry perspective**
Scott Moore - Syngenta
- 8. Concluding remarks - survey**
Eric Flora - Crop Enhancement / Anna Meszaros – Glades Crop Care, Inc. /
David Moore - Southeast Ag Research





NAICC GLP Training For Research and Quality Assurance Professionals

Basic GLP Training: Limited to 100 participants. This session is aimed at those with 0-2 years GLP experience. It gives a basic overview of the GLP regulations with emphasis on the responsibilities of QA, Study Directors and Principal Investigators as it relates to your role in a GLP environment. The session is designed to be interactive and will provide you the opportunity to hear how others interpret the regulations and how to best apply them to your job function.

Refresher GLP Training: Limited to 60 participants. This course will refresh and challenge your GLP knowledge, and has something for everyone. You will be encouraged to think outside the box when interpreting the GLPs. Material will cover topics relevant to field, lab and sponsor GLP personnel. GLP experts will be present to moderate and answer questions.

Practical Field Workshop Sampling: Limited to 25 participants.

This hands-on workshop will focus on sampling techniques, equipment, data documentation, and GLP compliance. This session is designed to provide practical information on overall trial conduct, GLP compliance issues, industry best practices, and efficiency in capturing raw data for field research personnel and QA professionals conducting/auditing GLP studies.

Practical Analytical Laboratory Workshop: Limited to 25 participants. This hands on workshop will focus on basic analytical laboratory techniques, GLP compliance, analytical phase reporting, and QAU requirements. This session is designed for Study Directors, Field Cooperators, Beginner Analytical personnel, and QA. You will expand your knowledge of the analytical process and basic understanding of how residue data is generated.