

THE TAPA QUARTERLY

The Newsletter of the Tennessee Agricultural Production Association

Join us in Gatlinburg for our summer meeting!

You are invited to attend Tennessee Agricultural Production Association's **Annual Meeting and Agronomic Workshop** at the Park Vista Hotel, located at 705 Cherokee Orchard Road in Gatlinburg, TN. The event will begin on Tues morning, July 23, and will conclude at noon Thur, July 25. The CCA and TAPA boards will meet on Mon afternoon, July 22.

Your attendance at the business session on Tues morning, July 23, is important to our association. As a member, you will vote on the new president-elect and three new board of directors. Also, the three college student winners of the TAPA Three-Star Scholarship Program will be announced. During this session, the TAPA Outstanding Individual Award and the TN Outstanding Certified Crop Advisor Award will be announced. Lastly, a report will be given on Guy Spence's visit with TN legislators in Washington D.C. last month.

Meeting Agenda: [CLICK HERE TO DOWNLOAD](#)

Pre-registration: You can save \$15 by pre-registering for this meeting by July 4. Click on this link to access the form: [PRE-REGISTRATION FORM](#)

Membership: Your TAPA membership dues are included when you register for the Annual Meeting. If you are unable to attend the meeting, we encourage you to still become a TAPA member for the new business year by checking the box that corresponds to "TAPA Membership Dues" on the pre-registration form and sending your \$30 check to our treasurer, Dianne Jenkins. Credit cards are also accepted.

Hotel Registration: The Park Vista Doubletree by Hilton Hotel is offering TAPA members a **Single Rate and a Double Rate of \$130 + tax per night. Individual reservations must be made no later than midnight July 1, 2019.** Once the cut-off date has passed, all unreserved guestrooms will be released from the block. Guestrooms and the guestroom rate will be based on availability for any individuals calling to make reservations under the group block after the cut-off date.

Reservations can be made online or by phone. The website for online reservation is www.parkvista.com and the online booking code is TPA. The Hilton Reservation line is 800-421-7275 and you can use the Group Code TPA or TAPA Annual Meeting. For TAPA members wanting to arrive early or stay a few days after the meeting, you can still get the TAPA room rate.

For those interested: The Park Vista also offers King Suites at a rate of \$225 per night and Family Suites at a rate of \$245 per night that can be reserved by TAPA members. The suites are based upon availability.

Certified Crop Advisor CEU's and Tennessee recertification points will be available at this meeting.

Bring the family! We hope to see you there.

For questions, feel free to contact Jo Gillilan, TAPA Executive Secretary, @ 615-707-2530

June/July/August 2019



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Look at the thermometer!!!

Wow, it is hot and when it is hot, things start to happen. Remember, some products should not be applied when temperatures exceed 85°F. When temperature are high, many pesticides can burn tender plants. Also, some formulations, such as E and ECs may burn due to their rapid rate of absorption into the plant. The best practice to prevent problems is to read the pesticide label prior to purchase, mixing and/or applying any product. This keeps you ahead of any possible problems that may occur. Hot temperatures as well as low relative humidity and wind can cause products to volatilize and move off target, so be careful and read the label as well as become familiar with the characteristics of products you use. Herbicides containing active ingredients such as 2, 4-D, 2, 4-DB, MCPA and dicamba are known to be easily effected by hot weather. So take extra precautions when using products containing these active ingredients. The Soil, Plant Pest Center located in Nashville commonly receives plants which have damage due to individuals who have used products containing glyphosate. Yes, glyphosate can cause unwanted damage when weather conditions are hot. Also, for some products to work effectively, they must be incorporated into the soil, and if they are not, may also cause some unwanted damage. The best practice is to read and follow the label prior to all applications.

Article from Darrell Hensley

Now Open! Applicator Training Course Registration

Precision application can make the difference between a profitable year and a break-even year, and finding qualified professional applicators can be a problem. The Asmark Institute and AGCO have teamed up to create a training program dedicated to educating and developing new professional applicators. The two lead instructors, **Greg Yoder** and **Gary Cornell**, are both seasoned professional applicators with over 75 years combined experience.



The Applicator Training Course is a four-day course specifically designed for new applicators with less than three years of experience. The course offers hands-on training where participants learn how to start and assess a field, develop a plan to manage drift, reinforces the importance of professionalism and so much more. Participants take part in a Ride-N-Drive exercise, which challenges them on the mile-long all-weather track that includes a bridge, narrow gateway, steep slopes, railroad crossing and a power line hazard - all in a safe and controlled environment. The Ride-N-Drive fleet includes a brand new 2019 1100C series RoGator, John Deere, Case, Hagie and TerraGator. [Experience](#) the track for yourself. Classes are limited to 21 participants, so [register](#) today before seats are filled! For questions or more information, contact **Patricia** at patricia@asmark.org or 270-926-4600 Ext 234.

Originally posted on www.asmark.org

Managing Nitrogen with Scattered Rainfall Conditions

With recent weather events in the Midwest, corn prices have started to climb and growers are paying closer attention to protecting corn yield. In the past month, rainfall in Tennessee has been much more scattered to practically nonexistent and we aren't used to these dry spells compared to past years. Most of the calls I have had this week, dealt with concerns about nitrogen applications that went out prior to a 2 to 3 (or more) week dry spell. Surface N applications that go without an incorporating rain cannot benefit the crop. Rainfall helps move soil applied N through the profile and stimulates crop root growth for uptake. Fortunately, with warm weather and adequate subsurface moisture, nitrogen is mineralized from organic matter and smaller corn has a low N requirement. But, requirements are increasing greatly as we move into June.

For surface N that has gone out:

- Irrigate N in by applying at least 0.25" water. For granular urea or UAN with no NBPT (Agrotain) stabilizer, apply irrigation within 2 days of fertilizer application.
- In dryland fields, document application date and date of first incorporating (0.25 or more) rainfall event. If more than 3 weeks have passed, consider topdressing an additional 30 to 40 units of N in fields with expected good yield potential. For fields in 'dry zones' that continually miss rain, we may need to reduce our yield goal and manage for lower yield.

If sidedressing N in dry conditions:

- Granular material can more easily slide through surface residue versus UAN. Apply NBPT stabilizer to granular urea. This will buy a few weeks protection from surface volatilization loss and 'wait' on an incorporating rain. Check labeled rates of some generic products and make sure to apply the higher end rate.
- Do not broadcast UAN. It will adhere more to surface residue than granular material, increasing likelihood of surface volatilization loss without timely rain. Instead, inject or spray down into the soil behind a coulter or dribble/spray in a narrow band to minimize surface area exposed to volatilization loss. Add NBPT stabilizer to surface applied UAN if rain is not expected within a few days.

Article from Angela McClure, UT Extension Corn and Soybean Specialist

Guy Spence visits D.C. as TAPA's Representative

On May 1, 2019, a group of individuals representing Southern Crop Production Association (SCPA) travelled to Washington D.C. to meet with lawmakers concerning several important agricultural topics. TAPA selected Guy Spence to represent our association on the Hill visit. SCPA Team Members from Tennessee included **Guy Spence (TAPA)**, **Sean McCarty (Helena)**, **Henry Allen (UPI)**, **Jamie Eichorn (Syngenta)**, **Megan Guarini (Syngenta)** and **Kevin Stewart (Gowan)**. The group met with the following staff members representing their Senators and Congressmen:



- ◆ Senator Lamar Alexander Staff- Randall Gibson & Brandon Morton
- ◆ Senator Marsha Blackburn- Chief of Staff Charles Flint
- ◆ Congressman Rhil Roe- Senior Legislative Assistant John Witherspoon
- ◆ Congressman Steve Cohen- Legislative Assistant Alex Schnelle
- ◆ Congressman Scott Desjarlais, M.D.- Legislative Assiaatant Hannah Russell
- ◆ Congressman David Kustoff- Legislative Assistant Andrew Hogan

At each office, PRIA, ESA, FIFRA, and Transportation Reform were discussed. The group thanked them for passing PRIA (Pesticide Registration Improvement Act) in March of 2019. PRIA created regulatory certainty for registration timelines for the pesticide industry. They also asked the lawmakers to continue funding this act, and informed them about how the ESA (Endangered Species Act) is the greatest challenge to the pesticide industries ability to bring technology to agriculture. The leaders were also informed of our support of FIFRA (Federal Insecticide Fungicide and Rodenticide Act), and explained how it relates to ESA. Lastly, Transportation Reform was discussed. Within Transportation Reform is the Drive Safe Act which would create an apprenticeship training program allowing legal operation of commercial motor vehicles by CDL drivers between the ages of 18 to 20 in interstate commerce.

TAPA is thankful for Guy's willingness and enthusiasm about making the D.C. visit. What a great opportunity!



UT “Weed Tour “ at West TN Research and Education Center: June 19

The University of Tennessee Weed Tour will be held Wednesday, June 19 at the West Tennessee AgResearch & Education Center in **Jackson, TN (605 Airways Blvd)**. Registration will start at 8:30 A.M. and the tour will begin at 9:00 A.M. It will end about 11:30. We will have breakfast biscuits available before the tour starts.

This guided tour will cover 60 weed management research tests in corn, soybean and cotton. Most of the research shown will be on management of glyphosate resistant horseweed and Palmer amaranth. Management of these weeds in Liberty, Balance Bean, glyphosate, Xtend and Enlist weed control systems along with some of the new herbicide technology traits on the horizon in cotton and soybeans will be highlighted. Also, some strategies to manage the increasing problem with glyphosate-resistant grass species as well as glyphosate/PPO resistant Palmer amaranth will be discussed.

Moreover, cultural weed control practices and many of the newer premixes in corn and soybean will be demonstrated. Ph.D candidate Clay Perkins, myself and our very special guest, Dr. Travis Legleiter, weed scientist with University of Kentucky, will lead the tours and be available for consultation as well as discussion of issues and product performance.



UT “Tobacco, Beef and More” at Highland Rim AgResearch and Education Center: June 27

The University of Tennessee’s Highland Rim AgResearch and Education Center in Springfield, TN will be hosting their annual Field Day “Tobacco Beef and More” and Trade Show on June 27, 2019 from 8:30 a.m.—12:30 p.m. (3181 Experiment Station Road, Springfield, TN).

Tobacco Topics will include: Variety Development, Connecticut Broadleaf Production and Foliar Diseases. Beef and Forage Topics will include: Technological Advancements, Herd Health and New Forage Analysis Interpreter. Commercial Hemp Production topics include: Agronomics, Regulatory Update, and Insect management. A sponsored lunch will be provided following the morning tours.



<i>University of TN Field Days</i>	<i>Location</i>	<i>Date</i>
Organic Crops Field Tour	East TN AgResearch & Education Center (Knoxville)	Aril 25, 2019
Fruits of the Backyard	Middle Tennessee AgResearch & Education Center (Spring Hill)	June 11, 2019
Weed Field Day	West Tennessee AgResearch & Education Center (Jackson)	June 19, 2019
Green Industry Day	UT Gardens (Knoxville)	June 25, 2019
Tobacco, Beef and More	Highland Rim AgResearch & Education Center (Springfield)	June 27, 2019
Summer Celebration	West Tennessee AgResearch & Education Center (Jackson)	July 11, 2019
UT Arboretum Butterfly Festival	Forest Resources AgResearch & Education Center UT Arboretum Auditorium (Oak Ridge)	August 3, 2019
Steak and Potatoes	Plateau AgResearch & Education Center (Crossville)	August 6, 2019
Fall Gardeners' Festival	Plateau AgResearch & Education Center (Crossville)	August 27, 2019
Turf and Ornamental Field Day	East Tennessee AgResearch & Education Center (Knoxville)	August 29, 2019
Cotton Tour	West Tennessee AgResearch & Education Center (Jackson)	September 4, 2019
Horse Management Field Day	UT Ag Campus (Knoxville)	September 12, 2019
Horse Management Field Day	Middle TN AgResearch and Education Center (Spring Hill)	September 17, 2019
Horse Management Field Day	AgResearch and Education Center at Ames Plantation	September 19, 2019
Ag in the Foothills	East TN AgResearch & Education Center, Little River Unit (Walland)	October 3, 2019
Northeast TN Beef Expo	AgResearch & Education Center (Greeneville)	October 10, 2019
Woods and Wildlife	Forest Resources AgResearch and Education Center (Oak Ridge)	August 4, 2019
Beef Heifer Development School	Middle TN AgResearch & Education Center (Lewisburg)	October 18, 2019

TAPA Annual Officers Meeting held May 9 in Jackson, TN

The TAPA officers met in Jackson at the West TN Research & Education Center on May 9th. Attendees were **Scott Stewart, Dianne Jenkins, Jo Gillilan, Paul Kennedy, Forbes Walker and Darrell Hensley.**

Nominations were brought forth for 2019/2020 President-Elect, Outstanding Individual and Board of Directors whose terms end this summer. There was also discussion of upgrading our current TAPA website. We will proceed with this project in the near future, and will be sure to notify our members when the new website is operational. The group also discussed the upcoming Annual Meeting and Agronomic Workshop in Gatlinburg July 23-25. Ground work is now being laid for a terrific three days of education, rekindling friendships, and enjoying the sites in Gatlinburg.

The Tennessee Certified Crop Advisor Board of Directors Announces:

Tennessee Outstanding Certified Crop Advisor Award

The Tennessee Farm Bureau along with the Tennessee Certified Crops Adviser Board of Directors sponsor an award to a deserving Tennessee Certified Crops Adviser who has exemplified the merits of service and dedication to their customers.

The winner will receive a \$500 cash prize.

To nominate someone, please write a letter of outlining this person's accomplishments and one to three letters of support from current clientele. Submit to Jaymie Seay, Executive Board Administrator for the Tennessee CCA Board of Directors. You do not have to be a CCA to nominate someone.

Please submit by August 31, 2019 to:
Jaymie Seay (jseay@ourcoop.com)
Executive Secretary

TAPA Sponsors for 2019 <i>Thanks to our sponsors for their generous support in the new year! Click on their links below to learn more about them:</i>	
GOLD LEVEL—\$500	website
BASF CORPORATION	agproducts.basf.com
BAYER	cropscience.bayer.com
CHANDLER SPREADERS, INC.	chandlerequipment.net
CORTEVA	Corteva.com
CROP PRODUCTION SERVICES	cpsagu.com
FB SCIENCES	FBSciences.com
FMC CORPORATION	FMCcrop.com
TENNESSEE SOYBEAN PROMOTION COUNCIL	tnsoybeans.org
YARA NORTH AMERICA, INC.	yara.us
SILVER LEVEL—\$300	website
AMERICOT, INC.	americot.com
AGXPLORE INTERNATIONAL	agxplore.com
DREXEL CHEMICAL CO.	drexchem.com
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SANDERS	sanders.com
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TAPA has a Facebook page with excellent Tennessee ag-related posts! Just [CLICK HERE](#) and click on the “Like” button.

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The Tennessee Agricultural Production Association (TAPA) is a non-profit organization established in September 1996 through the merger of the Tennessee Agricultural Chemical Association (TACA) and the Tennessee Plant Food Educational Association (TPFEA). TAPA’s purpose is to promote, coordinate and disseminate information related to current recommended agricultural production practices among those engaged in research, education, manufacture, distribution and regulation of Tennessee agriculture.

The TAPA Quarterly is published in March, June, September, and December. Please submit articles or other information of interest to be published to Jo Gillilan:
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 Use this e-mail address if you wish to unsubscribe.

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