59th Annual Meeting of the Weed Science Society of America February 11 - 14, 2019



Sheraton New Orleans



President's Message

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As the fall begins, it is worth taking a moment to cast good wishes toward our friends and colleagues on the East Coast as hurricane Florence has adversely impacted them. A tremendous effort will be forthcoming to recover from this devastating storm. We hope for a rapid recovery for all that have been affected.

Our meeting plans for the 59th Annual WSSA meeting in New Orleans, Louisiana are coming together. The meeting will be held February 11-14, 2019 at the Sheraton New Orleans. Larry Steckel, our program chair, is working on a great program that will run the gamut of extension, research, and education activities in weed science. Dr. Steckel is working closely with Eric Webster, who is serving as our local arrangements chair and Eric Gustafson, our Executive Secretary to finalize activities and events. These folks have plentiful events and tours available to enjoy the city and we look forward to what New Orleans has to offer. Symposia are going to be plentiful once again this year and the topics include:

- Herbicide resistant weeds in turf, ornamentals, and nursery crops
- Weed seed in grain samples and trade
- Integrated weed management to address weed resistance
- Weather and environment: Understanding basics to address off-target movement
- Agricultural regulations as affected by urbanization of a country
- Herbicide banning: An international forum
- Teaching workshop

Our discipline has most definitely been connected to newsworthy items in the last several months. Dicamba issues are still on the forefront in the Midwest in MidSouth regions of the United States. As I draft this, we still have not heard about the status of the dicamba registration for 2019. There has been a great deal of discussion and assessment this year with another substantial number of complaints associated with off-target movement. Our scientists have been connected with decision makers at every juncture and our Executive Director of Science Policy, Lee Van Wychen, has kept us attached to key individuals to discuss the issues. Glyphosate has also been in the news based on the court decision in California awarding damages in the amount of \$289 million related to non-Hodgkin's lymphoma. I have personally had several questions regarding the toxicity of glyphosate since the court decision as I suspect many of you have had. I suspect that in the coming months, there will be more reports to review and resolve. Perhaps there is not a more important time in our society's history where strong science and connection to decision makers have come together. I am confident that we can continue to address these issues to the best of our abilities and progress our discipline in the most positive ways.

Our NIFA Fellow Search Committee did a great job this summer in identifying strong candidates for the WSSA NIFA Fellow position that will be vacated by Donn Shilling. We are forever grateful for all of Donn's hard work to get our discipline connected and aligned with NIFA. Dr. Jim Kells from Michigan State University has been selected as the next WSSA NIFA Fellow. Dr. Kells will be transitioning into the new position over the course of the next several months. Jim brings a great deal of administrative experience as a department chair at Michigan State since 2005. He has also had a strong history of service to our society. Dr. Kells was named Fellow in WSSA in 2006 and served as President in 2013. Jim has a substantial and broad-based record as a faculty member that demonstrates all aspects of the land grant mission and includes professional service, research, extension and teaching throughout his academic career. Dr. Kells will serve as a Weed Science resource for USDA's National Institute for Food and Agriculture (NIFA) and act as a liaison between WSSA members and USDA-NIFA employees. We look forward to working with Dr. Kells as he transitions into the position. Please thank Dr. Shilling for his excellent service over the last three years as our first NIFA Fellow and congratulate Dr. Kells on his new role with WSSA. Thanks to our committee for serving along with me that included Steve Fennimore, Lee Van Wychen, Donn Shilling, Janis McFarland, Larry Steckel and Mike Fitzner. They put in a tremendous amount of work to make this happen.

I look forward to seeing all of you in New Orleans in February. It has been an active year so far and continue to get feedback from many of you on WSSA issues. Please do not hesitate to contact me, Eric Gustafson, Lee Van Wychen or other members of our Board of Directors if you have issues or suggestions related to WSSA.



Scott Senseman President, WSSA

Tentative Conference Agenda

Saturday, Febr	
7:00 AM - 5:00 PM	WSSA Board Of Directors
Sunday, Febru	ary 10, 2019
8:00 AM - 5:00 PM	WSSA Board of Directors
9:00 AM - 10:30 AM	Mardi Gras Tour
1:00 PM - 5:00 PM	WWII Museum Tour
Monday, Febru	lary 11, 2019
7:00 AM - 8:00 AM	WSSA Board/Committee Chair Breakfast
8:00 AM - 3:30 PM	WSSA Committee Meetings
4:00 PM - 6:00 PM	General Session / WSSA Awards Ceremony
6:00 PM -8:00 PM	Welcome Reception
	(Heavy Hors D'oeuvres and Cash Bar)
Tuesday, Febru	uary 12, 2019
7:00 AM - 9:00 AM	Poster Session (Even Numbered Presentations)
9:00 AM - 12:00 PM	Paper Sessions
12:00 PM - 1:00 PM	Women in Weed Science Luncheon
1:00 PM - 5:00 PM	Paper Sessions
Wednesday, Fe	ebruary 13, 2019
7:00 AM - 8:00 AM	WSSA President's Breakfast with Regional Presidents
7:00 AM - 9:00 AM	Poster Session (Odd Numbered Presentations)
9:00 AM - 12:00 PM	Paper Sessions
10:00 AM - 12:00 PM	Graduate Student Workshop - "Elevate Yourself"
12:00 PM - 1:00 PM	Graduate Student Luncheon (Open to all students registered for the meeting)
1:00 PM - 5:00 PM	Paper Sessions
5:00 PM - 6:00 PM	WSSA Business Meeting & Student Awards
Thursday, Febr	ruary 14, 2019
7:00 AM - 12:00 PM	Paper Sessions
7:00 AM - 8:00 AM	Graduate Student Wellness Breakfast
1:00 PM - 4:00 PM	WSSA Board of Directors
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Student Events

Graduate Students Poster Contest – There will be a graduate student poster contest in two groups – one for Master's students and one for Ph.D. students. All registered students of the WSSA may participate. Students wishing to participate will designate this at the time of abstract title/ author submission.

WSSA Graduate Student Luncheon – Wednesday, February 13, 2019 - Noon to 1:00PM. Open to all students registering for the meeting.

Oral Presentation Contest

There will be two oral presentation contests as well – an Ms contest and a PhD contest.



Women in Weed Science Lunch

Please join us for the second annual "Women in Weed Science" networking event sponsored by Corteva Agriscience on Tuesday, February 12 from 12:00 to 1:00 PM. All attendees, including graduate and undergraduate students, spouses, and academic/industry professionals are invited to participate.

When registering, please check the box to indicate your attendance at the networking lunch. If you are interested in finding or becoming a mentor, please sign up so that we can make arrangements prior to the event.

2019 Tour Options and Information

Mardi Gras World Tour February 10th, 9am – 10:30am

www.mardigrasworld.com			
Students/ Teachers:	\$15.00 Ea		
Adults:	\$20.00 Ea		
Senior (65+):	\$17.00 Ea		

Qty_	
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Qty_	

Total \$	
Total \$	
Total \$	

Experience Mardi Gras

Since 1947, our artists and craftsmen have designed and built the oldest and biggest parade floats and attractions for each Mardi Gras season, with over 500 floats built and decorated each year. When you begin your Mardi Gras World tour, you'll get an overview of the history of Mardi Gras in New Orleans before our guides take you through our float den, where our artists work year-round to build spectacular floats and props. You never get this close to the floats while they're rolling in Mardi Gras parades, and this is certainly the only place to see how these amazing pieces come to life each year. When you're sightseeing in New Orleans or looking for fascinating tours in New Orleans, this is something you just can't miss. Come see where the Mardi Gras magic is made!





2019 Tour Options and Information Cont'.

The National WWII Museum, February 10th, Noon-5pm

https://www.nationalww2museum.org/

Student- 5yrs old- College Museum only = \$17.00 Museum + Movie= \$24.00	Qty Qty	Total \$ Total \$	
Museum + Movie & Submarine Experience= \$31.00	Qty	Total \$	
Adults- Museum only = \$27.00 Museum + Movie= \$34.00 Museum + Movie & Submarine Experience= \$41.00	Qty Qty Qty	Total \$ Total \$ Total \$	
Senior- 65+ Museum only = \$22.00 Museum + Movie= \$29.00 Museum + Movie & Submarine Experience= \$36.00	Qty Qty Qty	Total \$ Total \$ Total \$	
Military- (Any type of Military Experience including spouse Museum only = \$18.00 Museum + Movie= \$25.00 Museum + Movie & Submarine Experience= \$32.00	or companion) Qty Qty Qty	Total \$ Total \$ Total \$	
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The National WWII Museum

Offering a compelling blend of sweeping narrative and poignant personal detail, The National WWII Museum features immersive exhibits, multimedia experiences, and an expansive collection of artifacts and first-person oral histories, taking visitors inside the story of the war that changed the world. Beyond the galleries, the Museum's online collections, virtual field trips, webinars, educational travel programs, and renowned International Conference on World War II offer patrons new ways to connect to history and honor the generation that sacrificed so much to secure our freedom.



Sheraton New Orleans Hotel





Sheraton New Orleans Hotel

Hotel Information: 500 Canal Street New Orleans, LA 70130 504.525.2500

<u>Rooms</u>	<u>Single Rate</u>	<u>Double Rate</u>	<u>Triple Rate</u>	<u>Quad Rate</u>
Main House	\$210	\$210	\$235	\$260
Club Level	\$260	\$260	\$285	\$310

Reservation details:

Reservations for the event may be made by individuals directly with the Sheraton. Call 504.525.2500 for help and information, this room block expires **January 11, 2019.** The following link may be used as well.

https://www.starwoodmeeting.com/events/start.action?id=1808025172&key=213668CE

Transportation:

There are no hotel shuttles to/ from Louis Armstrong New Orleans International Airport (MSY). Taxi service and ride share is available – it is approx. 15 miles.

Meeting Registration:

Each attendee must fill out a registration form, registration rates include a one-year WSSA membership. Additional information may be found at: http://wssa.net/meeting/2019-annual-meeting/

More information:

If you have further questions, please feel free to contact the WSSA office at 720.977.7940 or email at info@wssa.net. We are looking forward to an excellent program.



WHY NEW ORLEANS?

The home of Jazz. New Orleans is one of the most walkable cities in America and has diverse neighborhoods and culture.

1. Quote Worthy and Award Winning

Bob Dylan was not alone when he said, "There are a lot of places I like, but I like New Orleans better." The readers of Travel + Leisure named New Orleans one of the "Best Cities in North America" and one of the "World's Best Cities." On the meeting side, Cvent.com named New Orleans among the "Top 50 Meeting Destinations in the United States." And, according to Convention South magazine, we're the "Most Friendly Meeting Destination." Hundreds of thousands of meeting goers can't be wrong when they say there's just something so right about New Orleans.

2. Friendly and Personable

Concierges. Front desk clerks. Waiters. Meeting professionals. These are more than jobs in New Orleans – they are callings. In the hospitality business here, we take pride in what we do because we're proud to call New Orleans home. It's not something we're taught, it's how we were raised. There's nothing we like better than talking about our city, and we get a kick out of seeing New Orleans through the eyes of visitors. Our mission is our passion and it's simple: Make sure guests feel like company when they're here and come to love NOLA as much as we do.

3. Walkable and Sleepable

Time after time, New Orleans has been named one of the most walkable cities in the United States. Here you can take your choice of more than 22,000 sleeping rooms within a two-mile radius of the Convention Center, downtown and the French Quarter. Of course, if you're wearing high heels, it should happen to rain, or your feet hurt from dancing, you can always take a horse-drawn carriage, a pedicab, a streetcar, a cab, or a ride-sharing service back to the hotel.

4. Smooth Sailing

With more than 20 airlines and more than 59 non-stop destinations, travel to the Louis Armstrong New Orleans International Airport is easy and affordable with fares well below the national average. And, it's only getting better. Construction is underway on a brand-new terminal to completely replace the current airport in 2019. The world-class facility is the biggest infrastructure project in the city since construction of the Superdome and will feature 35 gates, improved passenger experience with a consolidated check-point and ample food and beverage options backed by famous New Orleans chefs. Our new airport will be a destination in itself.

5. Distinctively Diverse

New Orleans is home to more National Historic Districts than any other city in the United States, and the old is constantly becoming new again. Every neighborhood is its own chapter in the story of New Orleans. Block out your calendar for a little time travel. Take the St. Charles Avenue streetcar and then stroll through the Garden District. Hear the sounds that made New Orleans famous on Frenchmen Street in the Faubourg Marigny. Listen to stories of the affairs d'honneur that were once settled under the Dueling Oak in Mid-City's City Park. And, of course, there's the Vieux Carré, the French Quarter, where it all began and the fun never ends.

59th Annual Meeting of the WSSA



COPY THIS FORM FOR ADDITIONAL REGISTRATION FORMS. ONE FORM PER ATTENDEE

First and Last No	ame					
Organization						
Street Address						
City		State	Zip			
Phone	Fax	E-Mail				
Please Specify ,	Please Specify Any Special Needs					
Spouse/ Guest	pouse/ Guest Name (if registering)					

• ··· · ··· •		Dec. 04 Jan. 14			
Amount:	Jan 15 & After	Dec. 26 - Jan. 14	On or Before Dec. 25	REGISTRATION FEES	
				Full Registration	
\$	\$850.00	\$750.00	\$650.00	WSSA Member*	
\$	\$150.00	\$150.00	\$150.00	WSSA Student Registration**	
\$	\$75.00	\$75.00	\$75.00	Guest	
	Complimentary	Complimentary	Complimentary	WSSA Emeritus/ Retired Fellow***	
\$	\$250.00	\$225.00	\$225.00	One Day Registration (Please select which day you will be attending)	
\$	Tuesday 🗌 Wednesday 🗌 Thursday 🗌 🛛 Thursday Pricing: \$125.00				
				Special Events- Optional	
\$	\$30.00	\$30.00	\$30.00	IWSS Renewal	
Г	Complimentary \Box	Complimentary \Box	Complimentary \Box	Women in Weed Science Luncheon	
	No Thank You 🗌	Mentee 🗆	Mentor 🗌	Please select whether you would like to be a mentor/mentee	
	Both 🗌	Lunch 🗌	Breakfast 🗌	Graduate Student Luncheon/Breakfast	
			status/etc	2019 Tour Options- Choose carefully based on age/	
\$				WWII Tour -Insert total from tour page	
\$	-			Mardi Gras Tour- Insert total from tour page	
L	TOTAL: \$				
	Complimentary No Thank You Both	Complimentary	Complimentary Mentor Breakfast	IWSS Renewal Women in Weed Science Luncheon Please select whether you would like to be a mentor/mentee Graduate Student Luncheon/Breakfast 2019 Tour Options- Choose carefully based on age/ WWII Tour -Insert total from tour page	

Full Registration and Student Registration includes the Awards Reception on Monday Evening. *WSSA registration includes one year membership (2019)

Student registration includes attendance at the Awards Reception, the Graduate Student Luncheon and a **2019 WSSA Student Membership.

***WSSA Emeritus or Retired Fellows may register for the annual meeting without a fee. This includes the award reception on Monday Evening.

59th Annual Meeting of the WSSA Payment Information

Method of payment:

Check payable to "WSSA"		
Please charge my: 🗌 VISA] MasterCard	American Express
		Expiration Date:
Billing Address (required):		
Signature:	Prir	nt name:

Do not send cash. Please make checks payable to "WSSA." All fees must be paid in US funds and drawn on US banks.

Cancellation Policy

Written notice of cancellation received on or before February 1, 2019 will be refunded minus a \$50 processing fee. No refunds will be issued for cancellations after February 7, 2019.

Return Form

WSSA; Meeting Registration 12011 Tejon St #700 Westminster, CO 80234 info@wssa.net

Please send payment to:

Weed Science Society of America (WSSA) 12011 Tejon St., Ste. 700 | Westminster, CO 80234 or Fax to 303-458-0002 Questions? Call 720.977.7940

For Office Use Only:					
Method of payment:	Check	Credit Card	🗌 Cash		
Date:	\$Paid	#			