



# **The WSSA / NEWSS 2023 Annual Meeting**

**January 30th - February 2nd  
2023**

**Crystal Gateway Marriott  
Arlington, Virginia**

# President's Message



## A Message from the Presidents

We are extremely excited to offer an opportunity for both fellowship and scholarly activities during our 2023 joint WSSA/NEWSS Annual meeting being held near our Nation's Capital. The Crystal Gateway Marriott is an excellent venue for our scientific and educational meeting format, as we hope to have enhanced participation from many colleagues located in the area working with various governmental agencies. Of course, Washington, DC also has an abundance of activities and historical sites for additional entertainment with our hotel offering easy access.

Carroll Moseley, WSSA Program Chair and President Elect, and Wes Everman, NEWSS Program Chair and President Elect, are working closely with the local arrangements chairs Bill Chism and Sudeep Mathew, along with Lee Van Wychen, to build an excellent program for our joint meeting. Two wonderful tours are being offered, see details within this brochure.

Jake Li, EPA Deputy Assistant Administrator for Pesticide Programs, will be our keynote speaker during the general session held Monday afternoon, followed by our awards and society reception. In addition to the oral presentations and posters occurring Tuesday through Thursday, the meeting will offer five outstanding symposia including:

1. Endangered Species Act: A workshop to determine how the WSSA can provide useful science-based information to regulators
2. Novel Technology for Weed Management: An Update on WSSA Member Activities from Around the US
3. Crop-Weed Management in a Rising CO<sub>2</sub> and Warming World
4. WSSA Research Priorities – 13 Agency Perspectives
5. The good, the bad, and the ugly – the current state of cover crops and weed management

Both the WSSA and NEWSS will continue to focus on our students, with the WSSA offering the 3-MT oral contest, the NEWSS offering traditional 15 min oral contests, and both organizations offering a poster contest. Additional information will be provided soon. Once the program is complete, it will be available on our website and on a mobile app to help you plan and coordinate your schedule.

After two years of virtual meeting overload, we are very hopeful that you will take time to attend our annual meeting, to not only visit with your friends and colleagues but also to support both weed science societies!

Stanley Culpepper; WSSA President  
Jacob Barney; NEWSS President



# Tentative Schedule

## Sunday, January 29, 2023

10:00 AM - 12:00 PM	United States Botanic Tour
1:30 PM - 5:30 PM	WSSA Board Meeting

## Monday, January 30, 2023

7:00 AM - 9:30 PM	WSSA Board Meeting
7:00 AM - 9:30 PM	NEWSS Board Meeting
10:00 AM - 12:00 PM	Tour of Smithsonian Gardens Greenhouse
1:00 PM - 3:30 PM	Registration
1:00 PM - 7:00 PM	Poster Setup
2:00 PM - 3:30 PM	Women in Weed Science
4:00 PM - 7:00 PM	General Session
7:00 PM - 9:00 PM	Welcome Reception

## Tuesday, January 31, 2023

6:00 AM - 7:00 AM	Student Contest Judge Breakfast
6:30 AM - 8:00 AM	NEWSS Past Presidents Breakfast
7:00 AM - 8:00 AM	Student Only Event - "Overcoming Hurdles in Graduate School" - Graduate students/ Post doc only please
7:00 AM - 4:00 PM	Registration
7:00 AM - 9:00 AM	Poster Presentation - Even Number Authors
8:00 AM - 12:00 PM	Symposium - the Good, the Bad, and the Ugly - The current state of cover crops and weed management
9:00 AM - 5:00 PM	Oral Presentations
1:00 PM - 5:00 PM	Symposium - Endangered Species Act: How can WSSA provide useful information to regulators
5:00 PM - 7:00 PM	NEWSS Business Meeting

## Wednesday, February 1, 2023

6:30 AM - 8:00 AM	Presidents Breakfast
7:00 AM - 3:00 PM	Judges Work Room
7:00 AM - 9:00 AM	Poster Presentation - Odd Number Authors
7:00 AM - 4:00 PM	Registration
8:00 AM - 12:00 PM	Symposium - Crop Weed Management in a rising CO2 and Warming World
9:00 AM - 5:00 PM	Oral Presentations
12:00 PM - 1:00 PM	WSSA / NEWSS Joint Student Lunch
1:00 PM - 5:00 PM	Symposium - WSSA Research Priorities Survey Results: 13 Federal Agency-Perspectives and funding opportunities

# Tentative Schedule



5:30 PM - 7:30 PM	WSSA / NEWSS Joint Student and Photo Awards
9:00 PM - 11:00 PM	WSSA / NEWSS Dessert Social

## Thursday, February 2, 2023

6:30 AM - 8:00 AM	WSSA Business Breakfast
8:00 AM - 12:00 PM	Symposium - Novel Technology for Weed Management – An update on WSSA member activities from around the US
8:30 AM - 12:00 PM	Oral Presentations
8:00 AM - 1:00 PM	Poster Removal
2:00 PM - 3:00 PM	WSSA Board Meeting
2:00 PM - 3:00 PM	NEWSS Board Meeting

# Student Events



## Graduate Student 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 and NEWSS may participate. Students wishing to participate will designate this at the time of abstract title/ author submission.

## WSSA/NEWSS Graduate Student Luncheon

Wednesday February 1, 2023

12:00 PM - 1:00 PM

Open to all students registered for the meeting.

## Oral Presentation Contest

There will be two oral presentation contests, one for MS students and one for PhD students.

During our business meeting in Arlington, the Graduate Student Organization has the opportunity to learn from weed scientists in the federal government across several agencies! Our panelists will include Dr. Steve Young (ARS, National Program Leader), Dr. Steve Mirsky (ARS- Beltsville, MD), Dr. Marty Williams (ARS- Urbana, IL), Dr. Cameron Douglas (USDA, Office of Pest Management), and Dr. Kelly Tindall (EPA, Office of Pesticide Programs). Students will hear about weed science careers across federal agencies, opportunities to impact agriculture and land management practices in these spaces, and the unique career paths of our panelists. There will be a new speaker format this year, in which each panelist will visit with a group of 15-20 students for 10 minutes, and thereafter rotate amongst each group of students. We hope this format will facilitate more interaction with our fantastic panelists and the chance to ask more directed questions! On behalf of the graduate student body, I sincerely thank each of our panelists for their efforts and am looking forward to learning more about weed science careers in federal agencies together!

Additionally, in Arlington, there will be a student-only special event regarding “Overcoming Hurdles in Graduate School” which will entail panelists sharing their experiences and advice on a variety of topics. By identifying common struggles in graduate school and relating to others experiences, we can perhaps bolster the sense of community amongst our student peers, future collaborators, and future leaders in our weed science community. The date and time of this event during the annual meeting is to be determined, but students/postdocs please keep an eye on the published agenda as well as social media for more details.

# Women in Weed Science

You are invited to participate in the third annual “Women in Weed Science” networking event sponsored by Corteva Agriscience on Monday January 30, from 2:00 PM - 3:30 PM. All who are interested in attending, including graduates and undergraduate students, spouses, and academic/industry professionals, are encouraged to register for the event by checking the appropriate box on the general WSSA registration form. Registrants have the option of finding or becoming a mentor by selecting so on the registration form and will be paired prior to the event; however, participation in the mentorship aspect of this event is not required for event attendance! This event will focus on connecting women within weed science through networking activities and mentorship to promote collaboration, camaraderie, and community. Questions?

Please contact the event coordinator, Cara McCauley, at [cara.mccauley@corteva.com](mailto:cara.mccauley@corteva.com)



# Tour Information

## Smithsonian Greenhouse facility

Smithsonian Gardens Greenhouse, Production Section

Smithsonian Gardens operates a 64,000 square foot state of the art off-site greenhouse facility to support the grounds, gardens, and interiorscapes of the museums. The staff at this facility grow tens of thousands of annual and perennial plants year-round. The site includes 14 greenhouses, and a lathe house, and additional outside growing area for nursery stock. Within the greenhouse complex is space for large tropical specimens, nectar plants for the Butterfly Pavilion, interior plants, and an orchid collection of approximately 6,000 hybrids and species.

Monty Holmes, Greenhouse Supervisor

Approximate duration of the tour 1 ½ hours

Website [www.gardens.si.edu](http://www.gardens.si.edu)



# Tour Information

## U.S. Botanic Garden Production Facility

The U.S. Botanic Garden Production Facility (PF) greenhouse complex, completed in 1993, includes 85,000 square feet under glass divided into 34 greenhouse bays and 17 environmental zones. Its computerized environmental controls provide flexibility to grow a wide variety of plants including foliage, seasonal displays and exhibits, and all of the U.S. Botanic Garden collection not currently on display such as orchids, medicinal plants, cacti and desert plants, rare and endangered species, and more.

Kyle Wallick, Botanist

Jim Adams, Horticulture Manager

Tour length: 1 ½ Hours

[www.usbg.gov](http://www.usbg.gov)



# Hotel Information

## Crystal Gateway Marriott

1700 Richmond Highway  
Arlington, Virginia 22202  
703-920-3230

### Room Type

King or Double

### Price

\$215.00/night

### Reservation details

Reservations for the event will be made by individual attendees directly with the Marriott.

Call 1-800-228-9290 or 703-920-3230.

Please note **\*\* This room block expires January 5, 2023\*\***

You may also use the following link: <https://www.marriott.com/event-reservations/reservation-link.mi?id=1652826995473&key=GRP&app=resvlink>

### More Information:

If you have any further questions, please feel free to give the WSSA office a call (720.977.7940), or email us at [info@wssa.net](mailto:info@wssa.net). We are looking forward to an excellent program and seeing you at the meeting.



# Visit Arlington



It's been said that Arlington is the place where history and fun intersect. We've been part of Washington's history since the very beginning: Arlington was once part of the original Federal City designed by Pierre L'Enfant. And while we're proud to have some of our nation's most impressive and world-renowned monuments and memorials, you'll also find attractions here with an Arlington edge: different, intriguing, off-the-beaten-path and perhaps unexpected.

Arlington is the ideal hub for visiting the Washington region. Many of the region's most popular attractions are conveniently accessible by the Metro subway system, and virtually all of Arlington's 43 hotels are just minutes from one of 11 Metro stations in the County. And Arlington is super-walkable: bike paths, sidewalks and pedestrian-friendly bridges mean you can park your car and head out on foot.

- Arlington National Cemetery honors those who have served our nation by providing a sense of beauty and peace for our guests.
- Air Force Memorial honors the service and sacrifices of the 54,000 men and women of the United Air Force and its predecessor organizations.
- The Pentagon is one of the world's largest office buildings, with approximately 23,000 employees both military and civilian who contribute to the planning and execution of the defense of our country. A 60-minute tour/presentation is offered to visitors, highlighting the respective missions of the Armed Services.
- Fashion Centre at Pentagon City offers a world-class shopping experience where avenues of fashion and boulevards of style await. A scenic glass elevator ride to the third level reveals more than 170 fascinating stores and restaurants.

## RESTAURANTS IN WALKING DISTANCE:

- Legal Sea Foods serves only the freshest oysters, crab, salmon and more.
- The Portofino Restaurant is a family owned and operated Italian restaurant established in 1970 offering the finest in cuisine and atmosphere.
- Ruth's Chris Steak House serves seafood and famous steaks in a comfortable, warm atmosphere.
- McCormick & Schmick's Seafood and Steaks serves a variety of fresh seafood flown in daily from both U.S. and international waters, prepared using fresh ingredients.
- Jaleo is the first critically-acclaimed tapas restaurant in the country, bringing to life the spirit and flavors of Spain with a menu by renowned chef, José Andrés.
- Lebanese Taverna offers traditional Middle Eastern dishes such as stuffed meatballs, rotisserie meat, flat breads and more.
- Morton's is a famous steakhouse known for having the highest quality grade beef in terms of tenderness, juiciness, and flavor.

# Policy Against Harassment at Conferences

## Statement of Policy

The Weed Science Society of America (WSSA) is dedicated to providing a harassment-free experience for everyone at WSSA events. WSSA seeks to provide a conference environment in which diverse attendees may learn, network and enjoy the company of colleagues in a professional atmosphere. WSSA does not tolerate harassment of attendees in any form. Use of sexual or discriminatory language and imagery is not appropriate for any WSSA event. Violators of this Event Anti-Harassment Policy may be sanctioned or expelled from the event at the discretion of the WSSA event organizers.

## Definition of Harassment

Harassment is verbal, written or physical conduct that denigrates or shows hostility or aversion toward an individual because of their race, color, religion, sex, sexual orientation, gender identity or expression, national origin, age, disability, marital status, citizenship, genetic information, military status or any other characteristic protected by law or that of relatives, friends or associates. Harassing conduct includes but not limited to deliberate intimidation or hostile acts; stalking; following; harassing photography or recording; sustained disruption of talks or other events; and inappropriate physical contact. Attendees asked to stop any harassing behavior are expected to comply immediately.

## Definition of Sexual Harassment

Sexual harassment constitutes discrimination and is illegal under federal, state and local laws. Sexual harassment refers to verbal, physical, and visual conduct of a sexual nature that is unwelcome and offensive to the recipient. By way of example, sexual harassment may include such conduct as sexual flirtations, advances, or propositions; verbal comments or physical actions of a sexual nature; sexually degrading words used to describe an individual; an unwelcome display of sexually suggestive objects or pictures; sexually explicit jokes; and offensive, unwanted physical contact such as patting, pinching, grabbing, groping, or constant brushing against another's body. Attendees asked to stop any sexually harassing behavior are expected to comply immediately.

## Scope of Policy

This Anti-Harassment Policy applies to all attendees at WSSA events, including participants, guests, staff, contractors, and exhibitors. All attendees are expected to comply with this Event Anti-Harassment Policy at all event venues and event-related social events.

## Reporting an Incident

If you are being harassed, notice that someone else is being harassed, or have any other concerns, please contact an WSSA staff member immediately. WSSA staff can be identified by the official staff badge which is white with the blue and green WSSA logo, their name and title. All complaints will be treated seriously and will be investigated promptly. WSSA staff will be happy to help attendees contact venue security or local law enforcement, provide escorts, or otherwise assist those experiencing harassment to feel safe for the duration of the event. Additional information on reporting an incident at a specific event can be found below.

## Disciplinary Action

All reports of harassment will be directed immediately to the WSSA's Conference leadership team who may consult with and engage other WSSA staff, leaders and legal counsel as appropriate. Event security and/or local law enforcement may be involved, as appropriate based on the specific circumstances. In response to a report of harassment, the WSSA Conference leadership team or WSSA staff may take any action they deem appropriate. Such actions range from a verbal warning to ejection from the event without a refund. Repeat offenders may be subject to further disciplinary action, such as being banned from participating in future WSSA conferences or events.

## Reporting Procedure

Individuals who believe they have been the victims of conduct prohibited by this policy or believe they have witnessed such conduct should discuss their concerns with Eric Gustafson, WSSA Executive, any WSSA staff, or any member of the WSSA Executive Committee, concerns can be transmitted electronically via [info@wssa.net](mailto:info@wssa.net). Weed Science Society of America encourages the prompt reporting of complaints or concerns so that rapid and constructive action can be taken before relationships become irreparably strained. Therefore, while no fixed reporting period has been established, early reporting and intervention have proven to be the most effective method of resolving actual or perceived incidents of harassment.

# The Value of Your Membership



## **What is the Weed Science Society of America?**

The Weed Science Society of America (WSSA) is an organization that fosters an awareness of weeds and their impact on our environment. We provide science-based information to the public and government policymakers while promoting research, education, and outreach activities.

## **What do WSSA Members Do?**

WSSA members are actively involved in addressing some of the most important issues facing our modern world. Our objectives are to:

- Maximize crop yields and feed a growing population as cropland is lost to urbanization
- Eliminate aquatic weeds that clog our waterways and impact water quality
- Control invasive weeds that compromise biodiversity in our rangelands and wild areas
- Develop integrated weed management techniques for conventional and organic farming
- Reduce the impact of weeds on human health and allergies
- Develop new and improved integrated weed management strategies in response to climate change
- Manage weed resistance to herbicides
- Prevent soil erosion by optimizing the role of tillage in weed control
- Manage weeds that fuel devastating fires

## **What are the Career Paths in Weed Science?**

Weed scientists are employed in a diversity of professions:

- University teaching, research, and agricultural and urban extension education
- Development, evaluation, and enforcement of weed control regulations with government, universities, and private industry
- Design and implementation of effective integrated weed management systems with private pest management consulting firms
- Research, product development, sales, and marketing with companies specializing in weed management in croplands, aquatic habitats, parks, and urban areas

To prepare for a career in weed science, you typically need a bachelor's degree in agronomy, biochemistry, biology, chemistry, ecology, horticulture, plant physiology, soil science, or a related field. For a research position in academia or industry, an advanced degree is required.

## **Why Become a WSSA Member?**

Membership in WSSA is open to individuals across North America and around the globe who are interested in the study of weeds and their impact on our environment. Benefits include:

- Subscriptions to three outstanding journals: Weed Science, Weed Technology, and Invasive Plant Science and Management
- A quarterly online newsletter
- Continuing education and workshops
- Reduced rates at WSSA's annual meetings
- Interaction with regional weed science societies
- Opportunity to provide scientific expertise that impacts national policy and regulation

The cost to be a WSSA member has remained steady for the past 4 years, and the membership fee is included as part of your conference registration. The national reach of WSSA, combined with the journal subscriptions that are included and the frequent educational offerings are worth far more than the cost of membership, and becoming a member expands your professional network many times over. So remember, when you pay your conference registration, you are gaining much more than just a few days in Arlington with your colleagues, you are gaining a year's worth of networking, educational opportunities and access to the best journals in the field. We appreciate your membership and hope you enjoy all that Arlington has to offer!

# The WSSA/ NEWSS 2023 Annual Meeting



## Registration



January 30th - February 2nd 2023

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

Name

Affiliation

Street Address

City State Zip

Phone Email

Emergency Contact Phone Number

Please Specify Any Special Needs

Spouse / Guest Name (if registering)

Registration Fees		Amount
<b>Full Registration</b>		
WSSA Full Registration*	\$850.00	
WSSA Student Registration**	\$200.00	
Guest	\$75.00	
WSSA Emeritus / Retired Fellow***	Complimentary	
NEWSS Full Registration*	\$720.00	
NEWSS Student Registration**	\$200.00	
<b>Special Events - Optional</b>		
Women in Weed Science Breakfast	Complimentary	
Tour of the Botanical Gardens	\$25.00	
Tour of the Greenhouse Smithsonian	\$25.00	
<b>Memberships - Optional</b>		
WSSA Membership if registered as NEWSS	\$175.00	
NEWSS Membership if registered as WSSA	\$50.00	
		Total: \$ _____

Full Registration and Student Registration includes the Awards Reception on Monday Evening.

**\*WSSA and NEWSS registration includes one year membership (2023)**

**\*\*Student registration includes attendance at the Awards Reception, the Graduate Student Luncheon and a 2023 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.**



# Payment Information

## The WSSA/ NEWSS 2023 Annual Meeting

January 30th - February 2nd 2023

Method of payment:

Check Payable to "WSSA"

Please charge my:  Visa  MasterCard  American Express  Discover

Card #:

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Expiration Date: \_\_\_\_\_ / \_\_\_\_\_ CVC Code: \_\_\_\_\_

Billing Address: \_\_\_\_\_

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Signature: \_\_\_\_\_

Print 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 January 2, 2023 will be refunded minus a \$50 processing fee. No refunds will be issued for cancellations after January 16, 2023.

### Return Form To:

WSSA Meeting Registration  
12110 N. Pecos St., Suite 220  
Westminster, CO 80234  
info@wssa.net

For questions, call 720.977.4940



For Office Use Only:

Method of payment:  Check  Credit Card  Cash

Date: \_\_\_\_\_ \$Paid \_\_\_\_\_ # \_\_\_\_\_

