



Western Society of Weed Science Newsletter

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WINTER 2022

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President's Report - by Sandra McDonald

I am getting really excited about the 75th meeting of the Western Society of Weed Science March 7-10. The Hyatt Regency Newport Beach Hotel in Newport Beach, California is a beautiful venue for this historic meeting. I am looking forward to attending a meeting in-person again. I am also looking forward to the nice weather; according to the internet the weather will be mild. The daily high temperatures will be 67°F (ranging from 60° to 77°F). And even better, the lows will be 53°F's, rarely falling below 46°F. Many of our events (reception, poster session, coffee, lunch, and breakfast) will be outside, so lots of fresh air.

We will be celebrating that this is the 75th meeting of the WSWS. Joel Felix, WSWS Vice President and 2022 Program Chair, and the Planning Committee have worked hard to develop an exciting program. The Planning Committee built a program that will acknowledge and celebrate our first 75+ years and look forward to the future.

WSWS is going to have a packed schedule, I want to highlight some events directly related to the society:

- The WSWS Board of Directors (BoD) will meet on Monday, March 7, from 12 pm - 5 pm in the Palm Room. The BoD meeting is open to all members of WSWS, please join us.
- We kick off the meeting with the WSWS Welcome Reception on Monday, March 7, at 6 pm in the Amphitheater. Corey Ransom, WSWS Immediate Past President will be our host and honor the WSWS members who have or are retiring.
- The WSWS New Officer Orientation presented by Eric Gustafson, WSWS-Business Manager will be on Wednesday, March 9, from 9:00 am - 9:30 am in the Lido Room. New officers will learn more about their duties and responsibilities. Even if you are not a new officer, I encourage you to attend to learn more about how WSWS actually works.
- We will recognize our WSWS Award winners at the Awards Luncheon on Wednesday, March 9, from 11:30 am - 1:30 pm in the Amphitheater.
- The WSWS Business Meeting Breakfast will be on Thursday, March 10, from 6:30 am to 9:15 am in the Amphitheater.
- The WSWS BoD will have a wrap-up meeting and summer meeting planning on Thursday, March 10, from 11:45 am - 3:00 pm in the Palm Room. Both out-going and incoming officers and committee chairs are requested to attend. The BoD meeting is open to all WSWS members.

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WSWS Annual Meeting March 7-10, 2022 Newport Beach, California

President's Report – CONTINUED FROM PAGE 1

Meeting Registration will remain open through the meeting. Meeting registration information can be found on the WSWS website: [Annual Meeting Registration](#).

The BoD and I are hoping to honor our history throughout the meeting. If you have any weed-related memorabilia, bring it and we will display it and reminisce or wince.

Please do not hesitate to contact Joel Felix, Eric Gustafson, or me regarding issues or questions related to WSWS. Members of the WSWS Board of Directors or WSWS Committee Chairs can also respond to any questions that you might have.

See you soon!

Program Highlights for the 75th Annual Meeting of the Western Society of the Weed Science

Joel Felix - Program Chair

Greetings and Happy New Year wishes from the Program Committee. The committee has been busy preparing the program for the upcoming 75th annual meeting of the WSWS in Newport Beach, March 7-10, 2022. The meeting promises to provide an informative and stimulating experience for all attendees. Hopefully by now you've already registered for the meeting and if not make sure to do so at [Annual Meeting Registration](#). Also, please reserve your room at the Hyatt Regency Newport Beach website [Hyatt Reservations](#). Room reservation cutoff for the WSWS negotiated rate will be February 4 and rooms are filling up fast!

The program highlights include a full slate of 78 oral presentations divided in all 6 sections and 61 posters in 5 sections. Additionally, there will be 7 presentations in a symposium on "New Technology for Physical Weed Control" organized by Steven Fennimore and Marcelo Moretti. Also, the program features a 7 presentation workshop on "Weeds and Wildfires in the West" organized by Matt Baur ([Weeds and Wildfires](#)). These are some of the many reasons to attend this year's meeting in Newport Beach.

We will begin the week with our customary 'Member and Retirees Welcome Reception' on Monday evening March 6 at 6:00 to 10:00 in the Amphitheater. The Board of Directors will also meet on Monday, March 7 from 12:00 to 5:00.

Tuesday, March 8 will kick off with the poster session at 7:15 AM with authors of odd numbered posters present. The General Session will follow on Tuesday Morning at 9:15. After the conclusion of the General Session we will break for lunch and then reconvene at 1:00 PM with a packed schedule of Break-Out sessions for the different Projects. The symposium on "New Technology for Physical Weed Control" will also be on Tuesday, March 8 starting at 1:00. The 'student reception' will similarly take place on Tuesday, March 8 at 5:00 to 6:30.



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Program Highlights – CONTINUED FROM PAGE 2

Wednesday, March 9 will start off with Posters at 7:15AM and authors of even numbered posters present. **Students with posters entered in the contest are expected to be at their posters on the respective days at 7:15 to 9:00 when judges will make rounds.** A full slate of Break-Out sessions will fill the rest of the morning until the ‘Awards Luncheon’ at 11:30 in the Amphitheater.

Wednesday afternoon will continue with Break-Out sessions. Additionally, Wednesday afternoon will feature presentations on “What’s New from Industry” led by Charlie Hicks. Finally, the popular “student night out” will start at 6:30. Look out for the call for student night out sponsors from the WSWS student representative elsewhere in the newsletter.

Thursday we will kick off with the breakfast at which time important business of the society will be conducted from 6:30 to 9:30 in the Amphitheater. Break Out sessions will follow thereafter until 12:00.

Thursday afternoon from 1:00 to 5:30 a Workshop titled “Weeds and Wildfires in the West” organized by Matt Baur will take place in Plaza II. Workshop attendance will be in-person (your meeting registration includes the workshop) and virtually (\$50 registration fee). Advertisement poster for the workshop on “Weeds and Wildfires in the West” can be found here: [Weeds and Wildfires](#) Please help to spread the word to County Weed Managers, BLM, and other groups.

We are really excited that we have a packed program for you this first year after the pandemic with 153 total presentations.

Other important dates to remember: Abstract Submission Deadline Monday, February 14, and Slide Presentation Upload Deadline Monday February 21. We look forward to seeing you in Newport Beach, California!

CALLING ALL SHUTTERBUGS!

The Public Relations Committee is looking for a camera happy individual to immortalize the upcoming WSWS meeting. If you will be attending the meeting and are willing to bring your camera and take pictures of the happenings, please send an email to Breanne.tidemann@agr.gc.ca. We appreciate your help in preserving the memories made at our annual meetings!

Student Liaison Report — Jodie Crose

Hello WSWS students,

I hope you all had a lovely holiday season and are enjoying settling back into productivity! The 75th Annual WSWS meeting is fast approaching and I know I am looking forward to seeing many familiar faces! The meeting is scheduled for March 7th – 10th with our Welcome Reception beginning Monday at 6 PM and wrapping up at noon on Thursday. An additional workshop is being offered on Thursday afternoon at 1 PM titled “Weeds & Wildfires in the West” that is included in registration costs for those attending the meeting. As I mentioned in our previous newsletter, the venue is beautiful. Sporting three swimming pools, a restaurant, gym and many outdoor activities including golf and volleyball, there are plenty of relaxing amenities available between sessions. As a reminder, meeting registration for students is \$200. Registration instructions can be found on the WSWS website ([Annual Meeting Registration](#)). There will be no hybrid option available for the meeting except for the workshop on Thursday, so get your plane tickets for Newport Beach ASAP!

As we prepare for the meeting, I wanted to remind everyone of a few important deadlines. The title deadline (which hopefully you have already submitted) was December 20th. The abstract deadline is February 14th and the slides deadline is February 21st. All of these can be submitted on the WSWS Title and Abstract website here: [Abstracts](#). For those of you participating in the poster contest, authors of odd numbered posters will be need to be present at their posters on Tuesday, March 9th while, even numbered posters need to be present Wednesday, March 9th between 7:15-9:00 AM to interact with judges. Poster sizes CAN NOT exceed 45 x 45 inches or they will not fit on the poster boards. Additionally, under the Student Resources tab on the WSWS page there are links available for all student contest judging sheets and contest rules. If you can't find it, shoot me an email.

Lastly, I want to encourage everyone of a couple of things. First, our Elena Sanchez Memorial Scholarship is fully funded by the student silent auction. I would like to encourage attendees to consider donating an item for the auction. Smaller items such as coffee mugs, books, etc. are always great because they are easy to travel with. A very important component of the WSWS is student participation. There are multiple opportunities for students to get more involved whether through a committee or running for election as a liaison. If any of you are interested in one of these options but would prefer to discuss it with someone first, please reach out to either Grace Ogden, our liaison-elect, or myself. If we can't answer your questions, we will be happy to find someone who can.

As I wrap up my final newsletter as your student liaison, I want to express my appreciation to you all as students for allowing me this opportunity. Additionally, I would like to thank my advisor Brian Meador for all of his support throughout my time as a PhD student. I would also like to express my gratitude to Sandra McDonald and Eric Gustafson for all of their help throughout my time as a representative. This society and the Board of Directors are a very special group and I am very thankful for my time spent working closely with them. I look forward to passing the torch to a very capable colleague of mine, Grace Ogden, who I am confident will serve you all well! See you all in March!

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WSWS ONLINE EDUCATION

WSSA Journals Website
Online

Tool for Forecasting Plant Pests Extends to Annual Weeds and Biocontrol Agents

Brittany Barker, Oregon State University (brittany.barker@oregonstate.edu) and Colin Park, Plant Health Safe-guarding Specialist, USDA APHIS PPQ, Oregon (colin.g.park@usda.gov)

Knowing when and where to look for pests and biocontrol agents, especially during the busy field season can be a real challenge for land managers but is crucial for success. Thankfully there is a growing collection of powerful interactive tools available to the public to help land managers with these decision support needs. One such resource is USPest.org, which delivers forecasts of the timing of key events over the life-cycles (phenology) of over 150 organisms, including insect pests, beneficial insects such as biocontrol agents, crops, plant disease, and yes, weeds too! Current weed model offerings include downy brome, hairy nightshade, lambsquarter, redroot pigweed, and small broomrape, as well as several biocontrol agents (listed below). Model forecasts are computed daily using real-time temperature data from thousands of weather stations nation-wide.

This public service allows anyone to sign up to receive timely and customized email notifications of upcoming phenological events or risk status for organisms they wish to monitor. A short instructional video on how to use the notification feature of USPest.org can be viewed at <https://uspest.org/push/> (or at this YouTube link: www.youtube.com/uspest.org watch).

The USPest.org website hosts a spatial modeling platform known as DDRP (Degree-Day, Risk, and Phenological event mapping), which was supported by the USDA PPQ Cooperative Agricultural Pest Survey (CAPS) program to provide real-time (within season, regularly updated) decision support for agricultural and natural resources pest surveillance operations in both space and time. The modeling overview is presented in Figure 1 below.

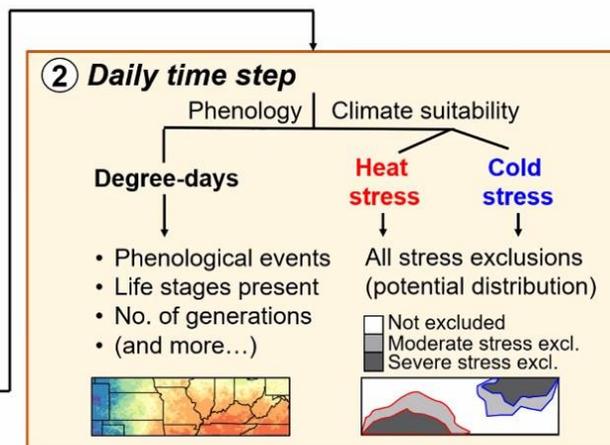
Modeling overview

① Inputs

Species data

- Temperature thresholds
 - Development
 - Climate stress (*optional*)
- Life stage durations
- Emergence times (population cohorts)

Gridded daily climate data
(Tmin, Tmax)



③ Post-processing

- Analysis
- Integrate outputs
- Final map production



Climate prevents long-term establishment

Short-term establishment possible

Barker et al. (2020)

Figure 1. An overview of the DDRP modeling process.

Forecasts for 16 high risk pest insects are updated every 2-3 days and can be found at <https://uspest.org/CAPS/>. Additionally, DDRP models for weed biocontrol agents include those for salt cedar leaf beetle (*Diorhabda carniculata*), purple loosestrife leaf beetle (*Galerucella californiensis*), and knotweed psyllid (*Aphalara itadori*) (see <http://uspest.org/dd/dodmaps>).

Beginning this year, investigators at the Oregon IPM Center and USA National Phenology Network will team up to expand DDRP’s ability to model weeds and other moisture-sensitive organisms, promote DDRP usage amongst stakeholders, and gather ground-based observation data for forecast validation. The first target weed to model will be cheatgrass (*Bromus tectorum*), so please contact Brittany Barker (email above) if you will be collecting phenology data for this invasive rangeland weed.

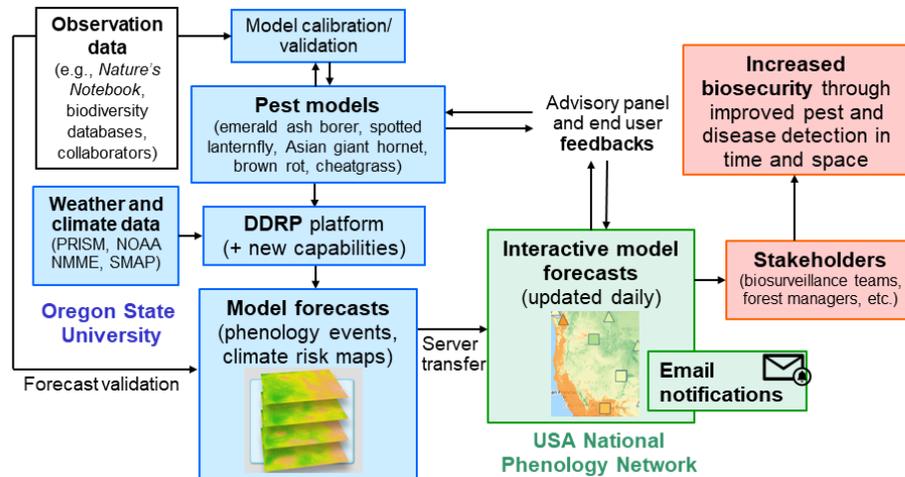


Figure 2. An overview of the information flow for planned work to extend DDRP’s capabilities, build pest models, provide pest forecasts and alerts, and gather citizen science data for forecast validation. PRISM = Parameter-elevation Relationships on Independent Slopes Model, NMME = North American Multi-Model Ensemble, SMAP = Soil Moisture Active Passive.

The DDRP project has been supported by [USDA-NIFA-CPPM-EIP](#), [Western IPM Center](#), [USDA-APHIS-PPQ-S&T](#) and [CAPS](#) program, [DOD Strategic Environmental Research and Development Program \(SERDP\)](#), and [USDA-NIFA-AFRI](#).



11th Annual Western Invasive Weed Short Course



The 11th Annual Western Invasive Weed Short Course will be held April 25-28, 2022 at the Sylvan Dale Guest Ranch in Loveland, Colorado.

Registration (\$850.00 by March 11, 2022; \$950.00 on March 12, 2022) includes educational program and daily refreshment breaks. Three lunches and three dinners are also included in the registration. Visit http://www.mountainwestpest.com/Past_Courses.php to learn more.

The continued partnership with the **Sylvan Dale Guest Ranch** allows us to provide some unique training opportunities. One of the truly unique features of the Short Course is the ability to have a long-term restoration plot. Sylvan Dale has worked with us to establish a fenced site where we have been able to demonstrate weed management combined with native grass establishment. A twilight weed walk on the first night is a great way to see the ranch and start learning some weeds.



The WIWSC is an intensive study of current technologies and best management practices associated with noxious and invasive weeds in the western United States. Participants gain up-to-date knowledge specific to invasive weed management with interactive sessions.

The 2022 WIWSC will conclude sessions on:

- Weed look alike
- Live weeds
- Herbicide symptomology specimens
- Habitat protection for pollinators & wildlife
- Other topics to be identified by the participants
- Time for individual interaction with instructors

Our target participants are local, state, federal government, and other land managers throughout the western region desiring a better understanding of weed management. WIWSC is designed to benefit both those new to invasive plant management and experienced professionals seeking a comprehensive update in western invasive weeds and their management.

The WIWSC is taught by outstanding trainers representing the **Western Society of Weed Science**.

Please contact Sandra McDonald, WIWSC Coordinator, for additional information at 970-266-9573 or Sandra@MountainWestPest.com



WASHINGTON REPORT

January 27, 2022

Lee Van Wychen

New Infrastructure Law Authorizes \$250 Million for DOT Invasive Plant Elimination Program

President Biden signed the Infrastructure Investment and Jobs Act into public law (**P.L. No. 117-58**) on Nov. 15. The House of Representatives passed the bill on a 228-206 vote on Nov. 5, while the Senate passed it on Aug. 10 with a 69-30 vote. The act allocates an estimated \$1.2 trillion in total funding over ten years, including \$550 billion in new spending during the next five years, divided between improving the surface-transportation network (\$284 billion) and society's core infrastructure (\$266 billion).

Several notable provisions for invasive plant and invasive species management are included in the new law, including:

- **SEC. 11522. Invasive Plant Elimination Program.** Federal-Aid Highways. **\$250 million** total, \$50 million per year for FY 2022 thru FY 2026. The Secretary of the Department of Transportation (DOT), through the Federal Highway Administration: *“shall carry out a program to provide **grants to States to eliminate or control existing invasive plants or prevent introduction of or encroachment by new invasive plants along and in areas adjacent to transportation corridor rights-of-way**”*.

The term “invasive plant” means a nonnative plant, tree, grass, or weed species, including, at a minimum: **cheatgrass, Ventenata dubia, medusahead, bulbous bluegrass, Japanese brome, rattail fescue, Japanese honeysuckle, phragmites, autumn olive, Bradford pear, wild parsnip, sericea lespedeza, spotted knapweed, garlic mustard, and palmer amaranth.**

- **SEC. 40804. Ecosystem Restoration.** Through the US Forest Service, **\$200 million** total for the fiscal years 2022 through 2026 shall be made available for ***invasive species detection, prevention, and eradication, including conducting research*** and providing resources to facilitate detection of invasive species at points of entry and awarding grants for eradication of invasive species on non-Federal land and on Federal land.
- **SEC. 40907. Multi-Benefit Project to Improve Watershed Health.** Through the Bureau of Reclamation (BOR). Not later than 1 year after the date of enactment of this Act, the BOR Commissioner, in consultation with the heads of relevant agencies, shall establish a competitive grant program to award grants to eligible applicants for the design, implementation, and monitoring of conservation outcomes of habitat restoration projects that improve watershed health in a river basin that is adversely impacted by a BOR water project by accomplishing 1 or more of the following:
 - (1) Ecosystem benefits.
 - (2) Restoration of native species.
 - (3) Mitigation against the impacts of climate change to fish and wildlife habitats.
 - (4) Protection against invasive species.**
 - (5) Restoration of aspects of the natural ecosystem.
 - (6) Enhancement of commercial, recreational, subsistence, or Tribal ceremonial fishing.
 - (7) Enhancement of river-based recreation.

Budget Reconciliation Bill Stalled in Senate

On Nov. 19, the House of Representatives passed a \$1.75 trillion social and climate spending budget reconciliation bill, also known as the Build Back Better Act (H.R. 5376). However, the bill failed to advance in the Senate prior to the holiday break after Senator Joe Manchin (D-WV) announced that he would not support the bill.

While it is uncertain whether the Senate will pass it (and, if so, in what form), the **National and Regional Weed Science Societies are continuing to engage in the ag research and infrastructure provisions in**

the bill. The Nov. 19 House passed version of the bill contains \$2 billion designated for ag research and infrastructure, which includes \$210 million for the USDA AFRI competitive grants program and \$120 million for the Sustainable Agriculture Research and Education (SARE) program.

A Continuing Resolution for FY 2022 Appearing More Likely

Congress passed a second continuing resolution that funds the government until Feb. 18, 2022. Chatter from Capitol Hill indicates that a continuing resolution funding the government at FY 2021 levels for the entire 2022 fiscal year is an increasing possibility, especially if Congress passes the Budget Reconciliation bill. Operating under continuing resolutions creates uncertainties for agencies and limits their ability to plan for and initiate new programs such as those authorized in the Infrastructure Investment and Jobs Act and the 2020 Water Resources Development Act.

EPA Announces Endangered Species Act Protection Policy for New Pesticides

On January 11, 2022, the EPA announced that, effective immediately, the Agency's review of applications for new pesticide active ingredients (AI) pursuant to the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) will uniformly incorporate analysis under the Endangered Species Act (ESA) with the intention of prioritizing protection for listed species as much as possible. The new policy applies to AI applications already submitted for consideration as well as incoming applications. [EPA press release](#).

Prior to this policy change, EPA has not uniformly required ESA analysis for all applications for new AIs, which often resulted in litigation against EPA. EPA expects the new policy to reduce litigation in general and improve the overall legal defensibility of new AI registrations.

EPA has explained that it intends to provide several mitigation options to allow the greatest flexibility for pesticide users while still ensuring protections for listed species. Mitigation efforts often include measures intended to avoid or minimize exposure routes between where pesticides are used and where the species live, restrict the geographic or temporal scope of pesticide applications, and reduce the number of pesticide applications allowed on a treated site.

To learn more about EPA's Endangered Species Act Protection Policy for New Pesticides, read the [Q&A document](#).

Vilsack Announces 10-Year Strategy to Confront Wildfire Crisis

In response to the nation's growing wildfire crisis, USDA Secretary Vilsack and Forest Service Chief Moore have launched a strategy to address the threat to millions of acres and communities across the nation. The strategy will first target areas defined as being at the highest risk based on community exposure, including the Pacific Northwest, the Sierra Nevada Range in California, the front range of Colorado, and the Southwest. The plan highlights the importance of collaboration with the Department of Interior, Tribes, states, local communities, and private landowners to effectively address the crisis. For more information, click [here](#).

Bonnie Confirmed as USDA Undersecretary for Farm Production and Conservation



On Nov. 16, the Senate voted 76 – 19 to confirm Robert Bonnie as the USDA Undersecretary for Farm Production and Conservation. In this role, he is now charged with the oversight of USDA's Farm Service Agency (FSA), Natural Resources Conservation Service (NRCS), and Risk Management Agency (RMA).

Bonnie, who has served as Agriculture Secretary Tom Vilsack's deputy chief of staff and senior climate adviser, is expected to play a key role in USDA's climate initiatives. Bonnie also served as the USDA Undersecretary for natural resources and environment in the Obama administration. In his work, Bonnie has written reports on climate change that included proposing the use of the Commodity Credit Corporation, USDA's line of credit at the Treasury, to address climate change problems.

Bonnie has also worked at the Environmental Defense Fund for 14 years and holds a master's degree in forestry and environmental management from Duke University, and a bachelor's from Harvard College.

Connor Confirmed for Top Army Corps of Engineers Post



Michael Connor, former commissioner of the Bureau of Reclamation, was confirmed on Nov. 4, by a 92 – 5 vote in the Senate, to be the next **Assistant Secretary of the Army for Civil Works, which oversees** all civilian work for the U.S. Army Corps of Engineers.

Connor held the number-two position at Interior from 2014 to 2017 during the Obama administration. Before that, he was commissioner of Interior's Bureau of Reclamation, from 2009 to 2014. Connor was a partner in the law firm Wilmer Cutler Pickering Hale and Dorr LLP prior to his nomination. He also worked on Capitol Hill from 2001 to 2009, as counsel to the Senate Energy and Natural

Resources Committee.

Dr. Chavonda Jacobs-Young Senate Nomination Moves to a Vote

On January 12, the Senate Agriculture Committee advanced the nomination of Chavonda Jacobs-Young to be USDA's Undersecretary for Research, Education, and Economics. Dr. Jacobs-Young's nomination will now head to the Senate floor for a full-Senate vote. For more on Dr. Jacobs-Young, read the White House's [press release](#).

U.S. Register of Introduced and Invasive Species (US-RIIS) Now Available

See: <https://www.sciencebase.gov/catalog/item/6144f1ccd34e0df5fb95b5cb>

Abstract: Introduced (non-native) species that become established may eventually become invasive, so tracking introduced species provides a baseline for effective modeling of species trends and interactions, geospatially and temporally. The United States Register of Introduced and Invasive Species (US-RIIS) is comprised of three lists, one each for Alaska (AK, with 532 records), Hawaii (HI, with 6,075 records), and the conterminous United States (L48, with 8,657 records). Each list includes introduced (non-native), established (reproducing) taxa that: are, or may become, invasive (harmful) in the locality; are not known to be harmful there; and/or have been used for biological control in the locality.

To be included in the US-RIIS, a taxon must be non-native everywhere in the locality and established (reproducing) anywhere in the locality. Native pest species are not included. Each record has information on taxonomy, dates of introduction (where available; currently for 38%), invasion status (invasive or introduced), and citations for the authoritative sources from which this information is drawn. The US-RIIS builds on a previous dataset, A Comprehensive List of Non-Native Species Established in Three Major Regions of the U.S.: Version 3.0 (Simpson et al., 2020, <https://doi.org/10.5066/p9e5k160>).

There are 15,264 records in the master list and 12,981 unique scientific names. The list is derived from 5,951 authoritative sources, was reviewed by or based on input from 30 invasive species scientists, and continues to be updated. Publication of version 2.0 of the US-RIIS is anticipated (but not guaranteed) in approximately 12 months.

Citation: *Simpson, A., Turner, R., Blake, R., Liebhold, A., and Dorado, M., 2021, United States Register of Introduced and Invasive Species: U.S. Geological Survey data release, <https://doi.org/10.5066/P95XL09Q>*

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CALENDAR OF EVENTS

Weed Science Society of America
and
Canadian Weed Science Society
Joint Annual Meeting
Feb. 21-24, 2022
Vancouver, British Columbia
www.wssa.net
www.weedscience.ca

Western Society of Weed Science Annual Meeting
Mar. 7-10, 2022
Newport Beach, California
www.wsweedscience.org

8th International Weed Science Congress
Dec. 4–10, 2022
Bangkok, Thailand
www.iwsc2020.com

North Central Weed Science Society Annual Meeting
Dec. 5–Dec. 8, 2022
St. Louis, Missouri
www.ncwss.org

Weed Science Society of America
and
Northeastern Weed Science Society
Joint Annual Meeting
Jan. 30 – Feb 6, 2023
Arlington, Virginia
www.wssa.net
www.newss.org

Southern Weed Science Society Annual Meeting
Jan. 23 - 26, 2023
Baton Rouge, Louisiana
www.swss.ws

Publications Available from the WSWS

The following books or DVDs can be purchased from the WSWS:

Aquatic and Riparian Weeds of the West
Weeds of California and Other Western States
Interactive Encyclopedia of North American Weeds DVD
Weed Bingo

All publications can be ordered online at [WSWS Bookstore](#). Contact the Business Manager (Eric Gustafson) at (303) 327-8016 for bulk order prices.

WSWS Objectives

- ❖ To foster and encourage education and research in weed science.
- ❖ To foster cooperation among state, federal and private agencies in matters of weed science.
- ❖ To aid and support commercial, private and public agencies in the solution of weed problems.
- ❖ To support legislation governing weed control programs and weed research and education programs.
- ❖ To support the Weed Science Society of America and foster state and regional organizations and agencies interested in weed control.



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