

Indiana Invasive Species Council – Q3 Meeting

Date: Wednesday 7 August 2024; 10:30 am to 1:30 pm Eastern Time

Location: Tippecanoe County Extension Office, 1950 S 18th Street, Lafayette, IN 47905

1. Call to Order (K. Werling)

2. Roll Call (K. Werling)

- Council Members Present:
 - Kelli Werling (IISC Chair), Director of Swine Health Programs, representing Indiana State Board of Animal Health, kwerling@boah.in.gov
 - Alicia Kelley, IN CAPS State Survey Coordinator, representing Dean of Agriculture, Purdue University (Secretariat), ajkelley@purdue.edu
 - Eric Fischer, Aquatic Invasive Species Coordinator, representing Indiana Department of Natural Resources Division of Fish and Wildlife, efischer@dnr.in.gov
 - Matt Kraushar, Roadside Maintenance Specialist, representing Indiana Department of Transportation, mkraushar@indot.in.gov
 - Heather Reynolds, Professor and Director of Graduate Studies in Biology, Indiana University, representing research, hlreynol@indiana.edu
 - Kate Sanders, Resource Specialist, representing Indiana State Department of Agriculture, kasanders1@isda.in.gov
 - Joe Schmees, IN Freshwater Strategy Manager, The Nature Conservancy, representing land trusts, joseph.schmees@tnc.org
- Non-Council Members Present:
 - Vince Burke, Assistant Director of Entomology and Plant Pathology, IN DNR, bvincent@dnr.IN.gov
 - Robert (Bob) Bruner, Exotic Forest Pest Educator, Department of Entomology, Purdue University, rfbruner@purdue.edu
 - Aubree Szczepanski, Aquatic Invasive Species Coordinator, IN DNR, aszczepanski@dnr.in.gov
 - Katie O'Reilly, Aquatic Invasive Species Specialist, Illinois-Indiana Sea Grant, keo@illinois.edu
 - Phil Marshall, Forest Health Specialist, IN DNR, pmarshall@dnr.in.gov

3. Adoption of Agenda (K. Werling)

- Agenda adopted unanimously

4. Review and approval of minutes from prior meeting (K. Werling)

- Minor edits needed
 - Motion: E. Fischer
 - Second: M. Kraushar
 - Vote: Unanimous

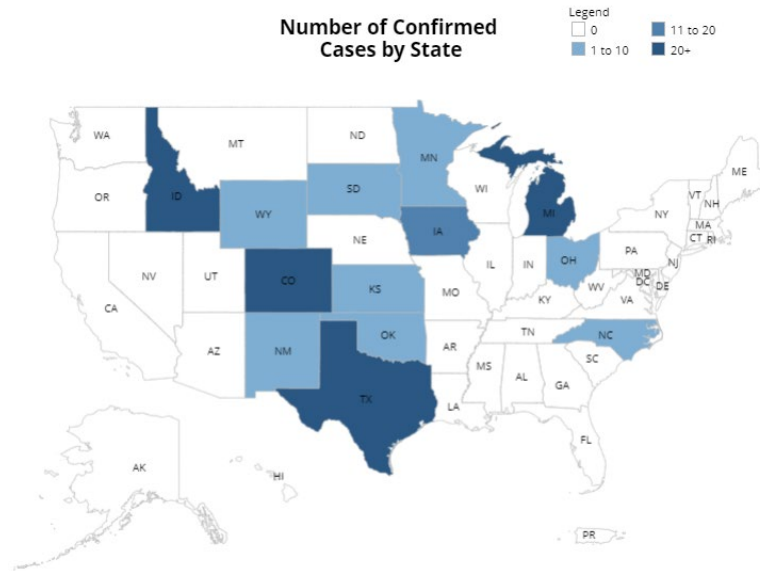
5. Member Reports/Updates

- Indiana Department of Natural Resources, Division of Entomology and Plant Pathology (V. Burkle)
 - David Bausman will reach out to council about the Terrestrial Plant Rule.
 - Treatments for spongy moth
 - Mating disruption sprays in Starke, Allen, Huntington, Whitley, Wayne counties.
 - BtK treatments conducted in North Manchester and Berne, IN.

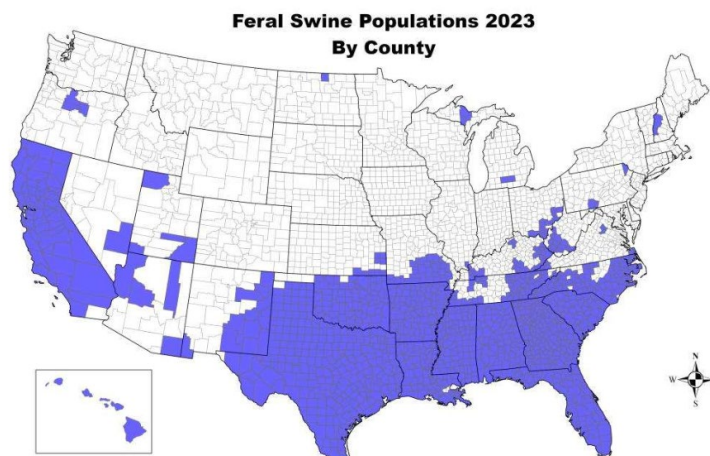
- Honey bee survey continues to monitor for pests and diseases.
- Continuing to survey for hemlock wooly adelgid; combining that survey with elongate hemlock scale.
- Treatments for kudzu started; 26 counties, 63 sites, ~100 acres.
- Bark beetle surveys are continuing for numerous species, including Walnut twig beetle, Oak ambrosia beetle, *Ips* bark beetles, *Monochamus* beetles, and *Hylobius* weevil.
- Specialty crops survey includes Silver Y Moth, Boxwood blight, and Box tree moth.
- Five new counties confirmed for Spotted Lanternfly (SLF): Noble, de Kalb, Grant, Boone, Bartholomew.
- Currently mapping tree-of-heaven locations and conducting systemic insecticide treatments on tree-of-heaven to control SLF in Switzerland and Huntington counties.
- New SLF reporting tool on DNR website which sends SLF sightings directly to DNR inspectors.
- Phil Marshall
 - Pulling all Spongy moth traps in the state. Berne trap counts are high.
 - Beech leaf surveys starting. Nematode is in Ohio and SE Michigan.
 - Elkhart and Franklin counties have re-confirmed detections of Oak wilt, and so additional counties are being added to this survey.
- The Nature Conservancy/Land Trusts (J. Schmees)
 - Last IN chapter strategic plan runs through next summer.
 - TNC is in the process of creating the next 5-year plan.
 - Invasives are a part of land protection strategies.
 - Aiming for plan to be done at the end of calendar year.
 - TNC's strategy involves partnership efforts and working with other organizations in Indiana and other states. We're still working on building our capacity in Indiana for prescribed fires, and working with SICIM and supporting their efforts.
- Purdue University College of Agriculture (A. Kelley)
 - A proposal to fill Cliff Sadof's position has been sent to Dean. The department is still awaiting decision on whether they will open that faculty line.
 - Letter of support to the Dean would be beneficial.
 - Expecting a Future of Extension update from the Dean's office later this month.
 - Presenting to the Academic Council on the IISC - Oct 4th
 - Bob Bruner
 - Outreach work
 - Insect activity in the Purdue Extension building at the state fair
 - Report INvasives Seminar
 - Purdue Extension ANR retreat is coming up; IISC could request a speaking time if desired.
- Indiana Department of Natural Resources, Division Fish and Wildlife (E. Fischer)
 - Aubree Szczepanski recently hired as the Aquatic Invasive Species Coordinator
 - A. Szczepanski will be the new representative for the Division of Fish and Wildlife on the Indiana Invasive Species Council.
 - Continuing control and suppression work on starry stonewort. 382 acres have been treated. We are working with a new applicator on herbicide trials.
 - Outreach efforts
 - State Fair Invasive Species booth provides interaction with guests, handouts, and information. All DNR Divisions are participating.

- Aquatic Invasive Species Landing Blitz has wrapped up. Everyone in the Great Lakes region participates in outreach targeted at boaters. We discuss prevention and conduct surveys on boat movement and their understanding of invasive species prevention. Volunteers assist with surveys.
- Invasive carp program
 - Interim rule passed through Governor's office: LSA No. 24188
 - Allows DFW to have a new carp harvest permit. DFW can issue permits to people harvesting carp which allows them to use different gear that wouldn't be allowed in normal fishing.
 - Fisherman from Kentucky will be permitted on the IN side of the river.
 - On Wabash between IN and IL, there are a lot of fishermen interested. We are hoping to have an incentive program to encourage more harvest.
 - An Invasive Carp Harvest Coordinator was hired to manage permits.
- State Board of Animal Health (K. Werling)
 - Avian HPAI: The State of Indiana self-proclaimed freedom from Highly Pathogenic Avian Influenza (HPAI) in poultry on April 5, 2024, according to standards set forth by the World Organization for Animal Health. Indiana's last case was diagnosed in a backyard flock in Allen County in late February. The quarantine on that flock was released in June after a 120-day fallow period, and the premises was granted eligibility to restock.
 - Across the country, total cases for this outbreak are 1,159 cases in 48 states affecting over 97 million birds. Analysis by NVSL has found that at least 82% of detections are consistent with independent wild bird introductions; this indicates that the majority of cases are still not arising from farm-to-farm lateral transmission. Nonetheless, the number of cases in this outbreak is now 5x the number of cases diagnosed in the 2014-2015 outbreak. Diagnoses in wild birds and mammals continue, including in dairy cattle.
 - Avian Metapneumovirus: Indiana continues to see new cases of Avian Metapneumovirus (aMPV) Subtypes A & B which are affecting turkeys most clinically severely, although cases have also been diagnosed sporadically in egg layers and layer pullets in the state.
 - Indiana's first case of these previously foreign subtypes was diagnosed in March. Since then, the state has experienced PCR-confirmed diagnoses of aMPV on 263 poultry premises in 26 counties which house over 9 million birds.
 - aMPV causes respiratory disease, decreased egg production in both layers and breeders, and predisposes poultry to many secondary infections.
 - Vaccine for aMPV is not available in the US. BOAH has provided case information to USDA's CVB and has shared Indiana's clinical experience with them as they consider applications for import of foreign-manufactured vaccines. At least 25 other states have reported positive cases since the end of 2023.
 - Mycoplasma Gallisepticum: An outbreak of MG in commercial turkey flocks began in late April infecting six premises in Daviess County. Indiana's last experience with MG in a commercial turkey flock occurred on a single breeder turkey premises in Boone County in June 2023. Prior to that, Indiana had not seen the disease in commercial turkeys since 2000. In response to the current outbreak, quarantines, traces, repeated area surveillance testing, early marketing, treatment to decrease shedding, and numerous biosecurity tactics have been implemented to break the cycle and prevent transmission.
 - HPAI in Dairy Cattle: Since the multistate outbreak of Highly Pathogenic Avian Influenza (HPAI) H5N1 was first reported in dairy cows on March 25, 2024, 179 cases have been confirmed in thirteen states. There have been no confirmed cases of H5N1 in livestock in Indiana. On April 29, 2024, USDA enacted a Federal Order requiring mandatory testing of lactating dairy cattle for interstate movement and mandatory reporting of positive Influenza A diagnostic results in livestock. The order also added a

movement document requirement for lactating dairy cattle moving interstate to slaughter. BOAH has processed over 2,200 Influenza A tests and 250 owner shipper statements for dairy cattle moving under the Federal Order, participated in numerous national meetings, and drafted Indiana's H5N1 in dairy cattle response and surveillance plans.

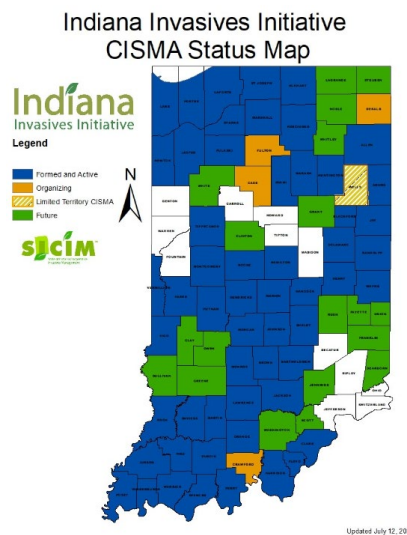


- Cervids: Washington diagnosed a wild deer positive for CWD for the first time.
- Equine: Contagious equine metritis (CEM), a sexually transmitted foreign animal disease of equids, was diagnosed in Florida in May for the first time in the US since 2013 (Indiana had a trace animal). The case count as of 8/2/2024 is fourteen (14) domestic ponies (2 stallions, 1 mare, and 11 geldings) on a single premises in Orange County, Florida, have been confirmed positive for *Taylorella equigenitalis*.
- Foreign Animal Disease Investigations: In addition to ruling out HPAI in livestock herds and poultry, BOAH conducted one foreign animal disease investigation this quarter to rule out rabbit hemorrhagic disease virus-2 in a pet exhibition rabbit.
- One Health: In late April, a calf from Spencer County was confirmed to be infested (>1000) by Asian longhorned ticks (ALHTs) that resulted in severe anemia and the calf's death. This is the first clinical case of ALHTs in Indiana, and the ticks have now been identified in Switzerland, Dubois, Ohio, and Spencer counties.
- Wild Pigs: Indiana's three southern counties that were previously indicated as having wild pigs are no longer indicated on USDA's Feral Swine Damage Management Program map as of 2023.



- Indiana Department of Transportation (M. Kraushar)

- We continue to do broadleaf treatments on roadsides. Over the last two fiscal years, contractors have treated over 67,000 acres. For spot treatments, including Canada thistle hemlock, teasel, Johnsongrass, and Phragmites species, 50,000 acres have been treated over the past two fiscal years.
- In-house treatments include:
 - 1,500 acres/year for Johnsongrass
 - 1,000 acres/year for thistle/teasel
 - 200 acres/year for Phragmites
 - 500 acres/year for Poison hemlock
- Indiana Department of Agriculture (K. Sanders)
 - SLF outreach from Purdue was spread through ISDA.
 - Vineyard owners have expressed that they have heard SLF messaging through various outreach channels.
- Research (H. Reynolds)
 - City of Bloomington is involved in Project Wingspan pollinator partnership. They have started seed collecting activities to engage people in collecting native seeds. They have a wildlife corridor project as well that is very active. They're looking to enhance connectivity among green spaces and they are combining climate change and social equity angles with the idea of increasing biodiversity and native tree canopy and reducing invasive species.
- Indiana Plant Advisory Committee and SICIM (K. Werling presented comments provided by Dawn Slack)
 - Status for the Indiana Invasives Initiative (III):
 - 46 CISMAs representing 52 Counties. Lastest CISMA map is attached.
 - We have completed over 1500 surveys/assists equaling over 44,744 acres since we began the III.



- We are still conducting over 170 Weed Wrangles a year. 34 counties participate in wrangles in IN.
- We have planned a simultaneous Weed Wrangle for the first time in IN. It will be held on Oct 12. There are over 14 CISMAs (counties) that plan to participate in a Wrangle in their county that day. There are other countries and states that may also hold wrangles on Oct 12.
- Through the III we have conducted at least 6 invasive workshops annually for 5 years. We partner with Eric (w/ DNR) and other professionals for training during

these events. We have completed 6 so far this year and have at least 2 more planned.

- The Conference was well received with 250 attendees. We need a larger space for next year. We are busting at the seams.
- There are many other updates for the III, but overall the CISMAs are working hard to be sustainable, and to engage with county citizens to address invasive species issues.
- They are supporting the IN Native Plant Societies Terrestrial Plant Rule Amendment work as well. Many have signed petitions to support the amendment.
- Nothing to new to report for IPAC at this time.
- SICIM
 - SICIM just received a grant for ~\$500K to work in 5 counties surrounding military installations. Over \$250K of these funds are for private landowners to use to manage invasives. This has been the most challenging grant I have ever managed, but we finally signed it last week. We plan to enroll around 1000 acres into the program.
 - A LSR grant has also been awarded and it too will roll out more focus and funding for landowners in the Lake Monroe Watershed to control invasive plants.
 - Overall, we have completed over 1300 outreach events under the III around the state. The CISMAs are running billboard campaign, seeking CWI funds and hiring invasive species technicians, growing and selling natives plants, and really pushing the information to their local communities.
- Yellow teasel reported in Indiana. This detection is the first report in USA.
- Action item: Dawn Slack to update the Council on yellow teasel (*Dipsacus strigosus*)

6. Old Business

- Update on Action Items from prior meeting(s)
 - David Bausman will meet with IISC regarding the Terrestrial Plant Rule.
 - Action item: K. Werling to send out doodle poll to Council and David to set up a meeting.
 - M. Kraushar suggested David Bausman could attend a Lunch and Learn with CISMAs.
 - Council Members send headshots to A. Kelley for webpage.
 - Strategic Plan:
 - Ongoing Action item: Council members provide the following: list of mapping tools used, outreach events attended annually, agency policies reviewed (relating to invasives management)
 - Ongoing Action item: K. Werling and M. Abraham to evaluate links that are on the website and add any external links to appropriate lists.
- Indiana Invasive Species Conference Planning Committee
 - Venue: South Shore IN Welcome Center – Hammond, IN
 - Sept 4-5, 2025; convention center is Sept 4th only
 - Action item: A. Kelley – Save the Date flier
 - Next steps
 - Form sponsorship bands and get sponsors before end of year 2024
 - Set up field trips; we might need to reserve other spaces for Sept 5th depending on what those activities are.
 - Eric recommended Doug Keller who works in the Dunes Park service.
- Media Committee Update (A. Kelley)

- Newest website draft was presented to the Council.
- A few headshots are still needed.
- Invasive Plant List is being formatted.

7. New Business

- IEHA requested speaker from IISC for the Indiana Environmental Health Association Conference. A. Kelley volunteered to attend and give a presentation.
- Next Meeting date:
 - i. 6 November 2024; 10:30 am
 - ii. The Nature Conservancy, 620 E Ohio St, Indianapolis, IN 46202

8. Review of assigned action items

- Dawn Slack to update the Council on yellow teasel (*Dipsacus strigosus*)
- K. Werling to send out doodle poll to Council and David Bausman to set up a meeting.
- A. Kelley to make and send out a Save the Date flier for the Invasive Species Conference
- A. Kelley to reach out to Rick Haggard about writing a support letter for Cliff Sadof's position
- Council members provide the following: list of mapping tools used, outreach events attended annually, agency policies reviewed (relating to invasives management)
- K. Werling and M. Abraham to evaluate links that are on the website and add any external links to appropriate lists.
- H. Reynolds – Follow up with options for speakers

9. Adjournment

- Motion: J. Schmees
- Second: M. Kraushar
- Vote: Unanimous