

**Meeting Notes: National IPM Coordinating Committee  
October 18-19, 2022 – Ames, IA, and Virtual Meeting**

**Chair:** [Daren Mueller](#)

**Notetaker:** [Kelsey Mueller](#)

**Chair-elect:** [Alejandro Calixto](#)

**Context:** The National Integrated Pest Management Coordinating Committee ([NIPMCC](#)) is a committee of the Extension Committee on Organization and Policy (ECOP) and the Experiment Station Committee on Organization and Policy (ESCOP) and shall function as a subcommittee of the ESCOP Science and Technology Committee. ESCOP is a committee of the Experiment Station Section of the Board on Agriculture Assembly of the Association of Public Land-grant Universities (APLU). Please visit this [site](#) for more information and to view reports and presentations from annual meetings.

**Participants:**

See the official list of attendees (in-person and virtual) in [basecamp](#).

**DAY 1**

**2021 NIPMCC Meeting Recap**

**Jim Farrar** (CA IPM) reviewed the 2021 virtual NIPMCC meeting as background information for the 2022 NIPMCC meeting.

**NCIPM Center and NCERA 222 Update (Provided by Laura Iles)**

**Key points:**

- Funding working groups for 2023– listed them
- Critical issues funded projects for 2023
- Special Project WG: Drift Risk – “War against weeds” podcast
- Support of students at the 10<sup>th</sup> International IPM Symposium
- Personnel updates
- Looking to the Future: DEI coordinator being hired – Develop vision plan and plan for DEI activities. – Q&A: Support for DEI from NIFA.
- Discussion about Tribal working group
- Discussion about using public gardens as sentinels for scouting pests including invasive species.
- Discussion around Design Thinking

**WIPM Center and WERA 1017 Update (Provided by Matt Baur)**

**Key points:**

- Identify plants that are likely to become invasive through Master Gardeners
- Preventing people to plant invasive species – like Plant Right
- Five signature programs highlight - Partnership grant focused and have not had that as much in the past few years. Delay, covid. WIPM to do one in 2024.

- Climate-Based Decision Support Tool
- Crop Pest Losses – Peter Ellsworth
- Risk Communication WG Paul Jepson started in 2018 (talk about risk intelligently)
- Invasive Species
- Network Coordination
  - Crop production in the West is different, and this highlights that.
  - Identify future climate scenarios and how that may benefit pests
  - Article on pest management
  - Working on a CAST manuscript
  - EPA is evaluating pesticides. Many “proposed interim decisions.
  - Added a network coordinator this year. WIPM to have 3. Pacific Northwest, desert SW, Hawaii, and P islands. Added 4<sup>th</sup> for intermountain West.
  - Steve Elliot is taking trips back to cover what funded groups are doing for the newsletter. He is also working on IPM Enterprise Strategic Plan.
  - Emma Tribble has been hired to help, especially with communicating IPM Successes.

### **SIPM Center and SERA 3 Update (Provided by Joe LaForest and Roger Magarey)**

#### **Key points:**

- Lifetime achievement award. Changed to IPM Hall of Fame so multiple high achievers can be recognized.
- Significant signature program successes
- Tech
  - Hosting 40 websites (backend, security, not content managers)
  - Supporting **MyIPM** (quick field guide for growers)
- Invasive Species
  - Many of the 1<sup>st</sup> detector tech programs: structure is built and can be used for new emerging pest issues
- Resistance management: tracking allows us to see when management is not working
- Pollinators: North Central Working group—encouraged to join; how can the South support—what are we not getting from the south
- Underserved audiences: plans, hurricane, revised plans→, building partnerships
- IPM Data
- Pest management strategic plans and crop profiles.
- Published a paper in Journal of IPM that tracked history of pests
- Need to restart the process of connecting people to work on PMSP and crop profiles. Received priority lists from USDA Office of Pest Management Policy (OPMP) - make it searchable
- Signature Programs

- Climate Change, IPM Identity, Pollinators, early Detection Rapid Response.
- IPM Identity: What is IPM Network? Who is involved? Help people realize that they are doing IPM. Build network, contact database. Find people working on a particular commodity.
  - This is IPM → communication goal
  - IPM Ambassador Travel Grants: get IPM known in other groups beyond ESA, WSSA, and plant path
- SERA-03: push for online IPM Tools. Working to prioritize pest list for the South.
- SIPM concluded that there was no need for a dedicated individual to work with underserved audiences as they have a team member fluent in Spanish.

### **NEIPM Center and NEERA 1604 Update (Provided by Deb Grantham)**

#### **Key points:**

- Officially renewed now NEERA 2104.
- NEIPM seeing a significant turnover in staff and faculty working in IPM. (mainly due to retirements, Covid).
  - Need to make sure we are retaining knowledge. Do working groups help?
- Big presence with “Stop Pests” (Susanna Reese – leads these efforts).
- Partnership Grants. Spent the most on applied research.
  - Equitable distribution of states in the region (not just in NY)
  - No IPM coordinator for DC, RI needs to put in proposals.
  - The funds given by NEIPM Center result in a 1:23 rate of return
  - Overview of NEIPM-funded programs
  - Update on the web tool for beekeepers
  - NEIPM listserv of 2830 receiving weekly IPM News and Events Roundup
  - IPM Insights (newsletter)
  - Active and growing presence in social media (Twitter, Facebook)
- NEIPM, in collaboration with others conducted a survey about IPM and its implementation in the US
  - Findings submitted in an article to consideration to the Journal of IPM
  - Poster at IPM Symposium
- Impact statements
  - 14 on the website: sent to Cornell office, USDA – including ...
    - Stop Pests in Housing
    - In-person training, etc
- Updates on the signature program including DEI and invasive species (Spotted lanternfly)

### **NIFA Updates (Provided by Rubella Goswami and Emmanuel Byamukama)**

#### **Key points:**

- 75% staff loss from move to KC. Close to target staffing levels now.
- NIFA Priorities
  - Climate Change – IPM under this
  - Nutrition Security – including climate smart solutions
  - DEIA – huge focus – 4H, grants, recruitment, processes - DEIA: huge focus, internal/external
  - Improve grants, communicate with smaller and 1890 universities
- Leadership structure: Deputy director, Division director, Then other members
- The climate adaptation and resilience Plan published
  - White House 40 Initiative: at least 40% of the advantages that come in through climate change go to communities (underserved) most affected
  - Climate Summit being planned:
- Innovative Market opportunities
- Addressing needs of Partners
  - Listening session: Nov 2<sup>nd</sup>. With NIFA
  - Link in slides NIFA responding to emergencies – grants off cycle
- CPPM –
  - Applied Research and Development Program Area (ARDP) – Deadline FY 2023
  - Extension Implementation Program Area (EIP)
  - Regional Coordination Program Area (RCP)
  - AFRI
  - Emergency Citrus Disease Research and Extension Program (ECDRE)
  - Methyl Bromide Transition (MBT) Program
  - AFRI Biosecurity
  - Urban, Indoor and Emerging Agriculture – Following 2018 Farm Bill
  - Equipment Grants Program (EGP) –
  - Recommended to follow the NIFA website: grants: funding opportunity: RFA calendar for the three project types
  - EIP: Extension Implementation Program
    - Projects based on primary and secondary priorities. \$300,000 per year for three years
    - Emmanuel Byamukama is the new lead contact
  - RCP: Regional coordination program (funds us)
    - Coordination, research, extension efforts across states, disciplines, support IPM
    - 4.15 million per year for 4 years
    - CPPM
      - ADRP: (category of RCP), not us.
        - Applied research, research led, extension led
      - AFRI: critical agriculture research and extension program (CARE) (Vjay is the lead)
  - NIFA does like our impact summaries.
  - ECDRE
    - 1.5 to 15 million per project for 2 to 5 years. 40% projects funded

- Methyl bromide transition (MBT) program
  - \$500,000 to be used over 2 to 3 years
- AFRI Ag Biosecurity
  - Equipping US ag to better respond to food, ag, and biological threats
  - Up to \$650,000 for single-function projects (3 to 5 years) and...
  - Urban, indoor, and emerging ag
    - \$1 million for 3 to four years.
  - Equipment Grants Program
    - \$25,000 to \$500,000 over three years

## **IRA-4 Updates (Provided by Jerry Baron)**

### **Key points:**

- IRA-4 relocated to North Carolina State University
- North Central Region Analytics Laboratory is shut down (funding issues)
- Quality assurance unit assignments
- Working to develop solutions for more critical pest management issues
- Biopesticides rotated, or in combo, with common practices
- Biopesticides to reduce residues in crops
- Received increase in IR-4 funding in 2022
- ROI: over \$500 to \$1 b/c IR-4 contributes %8.7 billion to annual US gross domestic product
- **What's New—Regulatory Challenges**
  - Tolerance revocations of organophosphates and carbamates
    - Usually, go through the process
    - It could not be used in food crops, which canceled its use without phasing it out
  - Pollinator protection safeguards
  - European-style hazard assessment
  - Endangered species
    - EPA has put out a workplan for how they are going to manage the endangered species assessment issues. New uses of currently registered products.
      - Why a problem?
      - Big concern with how these regulations affect the ability to manage pests in specialty crops and keep products available
- **What's New— path Forward**
  - Evaluations of IR-4 Programming
    - Groups of individual scientists at ARS at many locations
  - Field trial reimbursement
  - Communications
  - Training
  - Technology (track data electronically)
  - Laboratory (set priorities and scheduling)

### **IPM Symposium, IPM Dialogue, Farming and Food Narrative Updates (Provided by Tom Green)**

- International IPM Symposium 2025 – Strategic planning (recruiting new audiences)
- Meeting the needs of 21<sup>st</sup> century agriculture: a dialogue on the application and future of IPM
- IPM voice (2009 – Jim VanKirk)
- Panel of 18 growers – challenges and opportunities
- The farm and food narrative project – FFNP
- Work on perceptions of agriculture and pest management
- Helped build IPM into a 4-story building.
- Helped with strategic and Operating Plan.
  
- Update on 10<sup>th</sup> International IPM Symposium - Participation has been shrinking.
- Went through strategic planning and identified sectors of participants to recruit from.
  - Need to earn the international name
- Lost funding at last two events
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- How to build a connection between the 3 year intervals
- IPM Voice: mission to advocate for IPM. Worked with other orgs.
  - Hired professional lobbyist. Success!
- Discussion about missing opportunities: no one big picture IPM
  - Crop losses, costs, and profit losses are huge due to pests.
- Need a dedicated IPM organization to help us maintain, address and track IPM progress.
- The Farming and Food Narrative Project.
  - Start with farming, not food
  - Make story about interconnection
  - Show how adjusting farm policies can contribute to the type of communities we want
  - Talk about the tightrope farmers must cross
  - Tell science-rich stories about IPM

### **National Pesticide Safety Education Center (NPSEC) Update (Provided by Wayne Buhler and Tom Smith)**

- Identify and address education needs where IPM and pesticide safety overlap “Closing the Divide”
- Migrant Clinicians Network
- National Pesticide Safety Education Center
- Similar programs to IPM:
  - Farmworker
  - Caribbean/Pacific Island pesticide safety education

- Pollinator superheros: videos focused toward youth. Beta version, expanding now.
  - Certification and training assessment
- IPM PSEP collaboration Team
- Meet every other week. PSEP coordinator at NC State University.
- Use Zoom and Basecamp to share information.
- 2023 PACT Meeting website: <https://pactmeeting.us/> the week of May 15, 2023 in Traverse City, MI. Stay tuned for more info that you can find on the website.
- Pesticidestewardship.org
- Also identify that people are doing IPM without realizing it.
- Show what pieces are part of IPM visual – ask Wayne? (audiences, who is doing it?) <https://pesticidestewardship.org/ipm/ipm-resources/>
- How do they connect to state PSEP programs?
- Created to connect with state, regional.
  - Produce resources based on their needs
  - Online course dev = interactive
  - Video
- Board of directors include 8 PSEPS
- Close knit group, well defined network. Do things differently with different laws, regulations.
- This group works to amplify, support but not duplicate messaging of others
- Robust multimedia team!
  - Beekeepers, apiary inspectors.

## **Strategic Planning Update and Workshop (Led by Daren Mueller and Jim Farrar)**

### Take home message from the 10th IPM Symposium:

- Need to step back to consider the BIG picture:
  - Instead of writing a strategic plan of where we \*think\* we want to go. Restart and look at data and use numbers to guide the path forward.
- A survey was drafted to collect feedback. Have state IPM coordinators fill it out. Build a strategic plan based on this data.
- Discuss training enough people about IPM (losing people with knowledge as they retire, training enough to fill gaps?)
- Suggestions include creating a baseline for comparison in future years as well. Find gaps and needs. Highlight the strengths of what different IPM programs are doing. NIPMCC wants people to refrain from hunting down the info to gauge what they know. It was apparent that some institutions have records that others may still need to collect.
- A comprehensive discussion about the “[State IPM Survey Infrastructure Data Survey](#)” was conducted – it is to be released by the end of December 2022.
- The goal is to have these [surveys](#) collected by the **end of January 2023**. NIPMCC will send out reminders every few weeks to those who have not filled out the survey.

## ECOP Summary and next steps (update provided by Robin Shepard and John Lawrence)

- ECOP wearing so many hats
- Ask to send John Lawrence notes for what should go into the report (deadline mid-November)
- Update on Committee on Legislature and Policy
- Update on BAA strategy: Budget and Advocacy
- Funding for public education has been flat for some time. APLU changed lobbying firms. Has moved to Louis-Burke. In recent years, the strategy has focused on big items in the budget. NIFA budget six lines made up 60% of the budget. Over 60 lines in the budget. Largely needed to be more successful in securing more resources.
- Discuss ECOP **seven** themes “national thematic areas.”
- Discuss priorities for 2023 Farm Bill and what questions do we have to share back with ECOP?
  - Discussion about when considering the seven priorities, how does IPM fit in, fill in gaps, etc (**response**: climate, resilience, adaptation is the obvious one -diseases seem to be one of the first things that change due to climate. Insects, etc.)

## ESCOP Summary and next steps (update provided by Bret Hess)

- Update on Experiment Station Committee on Organization and Policy
- Reinforced that NIPMAC is a subcommittee of ESCOP
- Climate change has support from the Biden Administration
  - Climate research capacity was polled in 2021.
    - Shared growing portfolios in climate research
    - The survey lays groundwork for future efforts.
- Climate scientists:
- <https://www.surveymonkey.com/r/5YMN9Y>
- Ag Research Infrastructure is languishing
- Deferred maintenance; need to get to updated, state of art \$8.5 billion. Now \$11.5 billion - Major initiative—seek funding to improve
- Success messages:
  - Agree that there is an increased need to form a brand and digital marketing strategy to maintain our ESCOP presence.
  - Publication: Kansas Reserve Bank 2021: Ag Experiment stations conduct 73% of publicly funded research. Want to maintain the position as the “experts” conducting research—direct relationship between research productivity and GDP. **Example**: ag innovation is a growing theme to capitalize on.



- Share during NIFA listening session. <https://www.nifa.usda.gov/nifa-listens-investing-science-transforms-lives>
- Link to climate details <https://www.nifa.usda.gov/grants/programs/climate-change-adaptation-mitigation-resilience/nifa-climate-adaptation-resilience-plan/our-proposed-actions>

## DAY 2

### Tactical Sciences Network (TSN) Update.

- Tactical Sciences Network update provided by **Martin A. Draper**. – [Update available in basecamp here](#).
- Design Thinking (**internal workshop led by Ryan Clifford**)
  - What is DT?
    - Empathize, Define, Ideate, Prototype, Test
    - Different designs to communicate.
    - Lack of awareness of IPM
    - Lack of unified identity
    - The general public believes organic is the solution.
    - IPM is a holistic future of farming.
    - Is not one size fit all - 10x10x10x10
- Sociology and IPM
  - Herbicide resistance examples
  - The social context of herbicide resistance
  - Techno optimism – miracle a new herbicide will be developed.
  - Individualism – believe in the sanctity of farmers.
  - Community as a way forward
  - Forming communities – TRUST MODEL
  - Community Management Principles for Pest Resistance –
  - Roadblocks – Translating from ideas into actions