

**Meeting Agenda**  
**National IPM Coordinating Committee (NIPMCC)**  
**October 23-24, 2018**  
**APLU Building, 1307 New York Ave NW**  
**Washington, DC**

<b>Tuesday, October 23, 2018</b>	
<b>Time</b>	<b>Topic and Presenter(s)</b>
8:00	Welcome and Introductions, Meeting Logistics - Patrick Beauzay
8:15	2017 NIPMCC National Meeting Recap - Doug Walsh
8:30	Northeast IPM Center Update-Deb Grantham
8:45	Southern IPM Center Update-Joe LaForest
9:00	North Central IPM Center Update-Linnae Jess
9:15	Western IPM Center Update-Matt Bauer
<b>9:30</b>	<b>BREAK</b>
9:45	NERA1004 Update-Kelly Hamby
10:00	SERA3 Update-Anugrah Shaw-no ppt
10:15	NCERA222 Update-Lee Miller-no ppt
10:30	WERA1017 Update-Doug Walsh-ppt
10:45	NIFA Review/Updates - Herb Bolton and Rubella Goswami-ppt
<b>11:45</b>	<b>LUNCH</b>
1:00	National IPM Communicator Update and Discussion - Steve Elliott
2:00	Office of Pest Management Policy/National IPM Roadmap Update - Jill Schroeder
2:20	IPM Institute Update - Tom Green-ppt
2:40	Red Tomato/FrameWork Update - Tom Green-ppt
<b>3:00</b>	<b>BREAK</b>
3:15	National Pesticide Safety Education Center - Tom Smith <ul style="list-style-type: none"> <li>• Group Discussion on Pesticide Safety</li> </ul>
4:00	Dicamba Report and Discussion - Robin Shepard, Mike Fitzner
4:30	NIPMCC Business Meeting
<b>5:00</b>	<b>ADJOURN FOR THE DAY</b>
<b>Wednesday, October 24, 2018</b>	
8:00	iPIPE Update - Jean-Jacques DuBois
8:30	Tom Shanower/New NIFA Director (tentative)-Invasive Species? (Presentation did not occur)
9:00	Workshop I: STEM Education and Development of the Next Generation of IPM Practitioners
<b>10:00</b>	<b>BREAK</b>
10:15	Workshop II: Ag and Food Literacy
11:15	Wild Card Summary and Discussion
11:45	Survey
<b>12:00</b>	<b>ADJOURN</b>

**National IPM Coordinating Committee (NIPMCC) Minutes**  
**October 23, 24, 2018, APLU Building, Washington, DC**

**As recorded by Ann Hazelrigg, Incoming Chair**

**PowerPoint presentations and other updates/reports from this meeting can be viewed online at: <http://escop.info/event/nipmcc-meeting-2018/>**

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**Tuesday October 23, 2018****8:00 a.m. Meeting called to order-Patrick Beauzay, Chair NIPMCC**

- Welcome and introductions of attendees-Patrick Beauzay
- 2017 NIPMCC National Meeting Recap-Doug Walsh (**See Report**)

**8:30 a.m. Reports From IPM Centers**

- **Northeast IPM Center Update-Deb Grantham (see NEIPM Center PPT)**
  - The Center is now fully staffed with Mike Webb, Communications Specialist and David Lane, Evaluation Specialist.
  - Stop Pests Program-15 public health sites-32,555 housing units. It is estimated there is a pest management cost savings of ~\$36,000/year per 600 units of housing.
  - Brown marmorated stink bug (BMSB)-the Center hosts the StopBMSB website <https://www.stopbmsb.org/> and the BMSB Working Group. They are starting to develop researcher profiles and research summaries and mine Google analytics.
  - Reaching out to Farm Workers Program about how to deliver information to workers (who don't have access to the web).
  - Spotted Lanternfly-New StopSLF website and new SLF Working Group.
  - Communications-*Insights*-Two issues in March and July 2018
  - Competitive Grants Programs: Three categories-Issues, Working Groups and Communications spread over five signature programs.
  - Facilitated IPM Interactions through an annual NEIPM online conference, IPM Toolbox Web Series, Find a Colleague webpage
  - Pollinator Working Group produced new publication <https://umaine.edu/mafes/wp-content/uploads/sites/98/2018/07/Bees-and-Their-Habitats-in-Four-New-England-States.pdf>
  - Working on collaborating on evaluation with the other regional centers and trying to standardize metrics, identify outputs, inputs for each project in addition to Center evaluation.
  - Upcoming events-virtual meetings of Advisory Council, BMSB on-line conference, NEERA joint meetings in MD in the spring.
- **Southern IPM Center Update-Joe LaForest (see Annual Report @**  
<http://sipmc.org/index.cfm/about-us/annual-report/>

Core programs include:

- Regulatory Science Network-led by Wendy Britton, compiling info on new regulations
- Grants Program-\$250,000-\$300,000 in grants-putting more resources in Pest Management Strategic Plans (PMSP) and Crop Profiles and new National IPM database. Three main grant programs; IPM Enhancement Grants, Critical and Emerging Issues and IPM Issues.
- “Friends of Southern IPM awards”- in Communications (Unsung Heroes)
- Communication-2018 Annual Report-  
<http://www.sripmc.org/SIPMC/assets/File/2018%20Annual%20Report%20portrait.pdf>
- Evaluation
- PD Workshop

New Signature Programs-next 4 years 2019-2023:

- Invasive Species-developing an app to report finds. Want to collaborate with the 4 IPM Centers. Info is being shared through IPIPE, Bugwood, plus trying to id other partners
- Underserved audiences
- Pesticide resistance management
- Pollinator protection
- Facilitation of Innovation through Technology- Tech with a purpose, increase use of maps, visualization
- Hosting large groups-Allium

- **North Central IPM Center-Lynnae Jess (see NCIPM Center PPT)**

Signature Programs include:

- Invasive species (all four regions) and Reemerging pests- discussed Invasive Tool Kits and trying not to “rebuild the wheel” for each new pest and region. Each group seems to have their own mapping.
- 18 Working Groups
- Pesticide resistance management-will collaborate with SIPM Center
- Pollinator and monarch conservation
- Advanced genetic tools and IPM-GMO, Crispr, gene editing, conduct needs assessment

Two grants programs: Working Group grants @\$20,000/WG and Critical Issues grants-up to \$100,000

Advisory Panel and Steering Committee-trying to include more educators, practitioners, partner organizations and working groups

Evaluation-will work with CONTEXT-agribusiness firm to apply a systematic, on-going approach

- **Western IPM Center-Matt Bauer (see WIPM Center Overview, PPT and Melon IPM Report)**
  - The Center is currently searching for a new director
  - Collaborations-Journal of IPM with IR4, Biopesticide session at the 2018 IPM Symposium in Baltimore with other NIFA partners, Crop Pest losses, Risk Communication, 2019 IPM Resources in the West Symposium
  - The Center contributed to Alfalfa IPM-biocontrol of alfalfa weevil, aphid recommendations for low desert, barriers to IPM adoption, pest and pollinator management plans.
  - Other Center contributions: canopy pruning in Macadamia; Arizona cotton BSB sprays interferes; South American palm weevil: Western Governors Association-invasive species.
  - Media Advisory-pink bollworm eradicated
  - Communications-See **Annual Report**, monthly newsletter with new section for students; new website <http://westernipm.org/>. Trying to get all states' stories on the new website. Lots of presentations; ACE Awards, feature stories, photo essays and videos.
  - Question-how are stakeholders feeling about data-driven information? If it tells a story, it is good, just numbers/data/page hits not sufficient.

BREAK

- **Northeast Region Technical Committee on IPM (NEERA) 1604 Update-Kelly Hamby (see NEERA update PPT)**
  - **NE IPM programming and impact highlights**-UVM Pest Diagnostics; Penn State Scouting and Sentinel plots; UMASS Mentor Farmer Program (85% adoption of IPM recommendations); UConn Invasive Species Program (reached 30,00) CT citizens; UMD-Impacts measured with clickers; Extension Impacts; Apiculture-decreasing honeybee losses
  - Regional IPM-invasive and emerging pests (long horn tick and spotted lanternfly); Urban IPM-need more resources; Weed Management-resistant weeds, drift; Bridging language barriers; UMD farm challenges-weather/climate; vector borne illness
  - Technical Committee 1604 Annual meeting-2018 held at Int'l IPM Symposium in Baltimore; Spring 2018.
- **SERA3 Update-Anugrah Shaw**
  - Meet 1X/year in 2018 at the Baltimore IPM Symposium; Southern Entomology meeting in Maryland
- **NCERA2222 Update- Lee Miller**

- Met at Baltimore IPM Symposium
- \$20,000 for each state to do pollinator survey to build a map of the region
- Regional priorities-Pest stewardship, climate change, IPM cover crops, big data, IPM and organic systems, underserved populations
- **WERA 1017 Update-Doug Walsh**
  - Meeting at Oregon State
  - ARDP-Extension education to hops growers
  - Utah-conferences, production guides, applied research (IPM has increased 11.6% since 2014, Utah Pests newsletter
  - Washington-Carrie Foss introduced team, social/economic science research center-SESRC-each grant cycle, surveys in most crops

### **10:45 am NIFA Review and UPDATES-Herb Bolton, Rubella Goswami**

#### **Herb Bolton:**

- Transitions-Sonny Ramaswami left in May and now looking for new Director
- Showed organizational chart
- New NIFA Director-J. Scott Angle
- NIFA Budget-NIFA will operate under continuing resolution until 12/7/18
- Farm Bill-expected 9/30. Mandatory programs are not impacted-SCRI, AgRMGT ED, Community Food project and Community Grant projects. Programs will not continue until Farm Bill is renewed-OREI, Beginning Farmer and Rancher and Citrus
- NIFA (and ERS) may move out of DC area
- NIFA Annual Report-due date 9/14/18.
- NIFA Plan of Work-big effort Phase 1 starting. New portal will eventually happen-lots of resources will be on the web
- Revised Policy Guide-attempt to put Guides all in one place
- NIFA Listens FY 2018-Thanks to those who participated. 8% of all NIFA topics were on IPM.

#### **Rubella Goswami: (see PPT)**

- NIFA overview supports research, education and extension. Acts in partnership with land grants, government and private non-profits
- Types of awards: Standard, Conferences, Coordinated Ag Projects, FASE, Fellowships. 1.59 billion \$ budget in 2018
- NIFA-Four Science Institutes. >50% into Sustainable Ag Systems.
- RFA-ARDP-every year; EIPM-3 years; RCP (Regional IPM Centers)-4 years.
- New NIFA DATA Gateway-search by program, state, everything is public.
- Potential sources of funding: AFRI-3 big RFAs: Foundational and Applied Science; Sustainable Ag Systems-CAPS; Ed and Workforce Development
- Other comparable programs: Organic Research and Extension Initiative (OREI), Organic Transitions (ORG), Specialty Crop Research Initiative (SCRI), Citrus Disease Research and

Extension (CDRE), Mail Management Business Intelligence Tool (MBIT), Small Business Innovation Research (SBIR)

Questions for NIFA from the floor:

- How many people will we lose if NIFA moves?
- Is there a good analysis re the 8% level of IPM-related issues- No, it was 'scattered'
- Would NIFA value a clear concise written comment from this group? What are the critical needs? ( by end of November)
- SCRI will be coming out since it was not tied to the Farm Bill, although Herb did not know when.

12:00 pm LUNCH

### **1:00 pm National IPM Communicator Updates-Steve Elliot (see handout)**

- Last year, IPM Centers were asked how to communicate success stories. A process was needed to package these stories. Andy (SARE) said there was no way to funnel and synthesize and communicate to a national audience. Voted last year to pursue this. Steps suggested were:
  - Could the Centers do this themselves? All Centers have communicators using/sharing resources. But the money would have to come from Center budget and would dilute communications. An idea is to create a National Communicator position that would work out of a Center. Funds for this could be attained through private fund-raising. Each region was to come up with 5 possible names for these private funds. A question from the floor was, "Why can't this be shared among regions?" Answer- Need to make bigger connections and regions are too busy. Quality must be very good and a position needs to be dedicated to this. We have a great "untold" story. Other points/questions:
    - Why is there not more social media/videos?
    - Would there be a review of this position after 4 years-Yes and it may be done more often than that to see if "the (IPM) needle is moving." We would use evaluators to assess.
    - Would look into industry, i.e. Syngenta/Bayer
    - Would position include lobbying? Probably not.
    - What is Centers funded it for the first year? All Centers put in shared language re National Communicator
    - Requests to send Steve ideas for funding and Pat asked Centers to keep us appraised and their meetings.

### **OPMP/National IPM Roadmap Update-Jill Schroeder**

- David Epstein has relinquished the Chair of Federal IPM Coordinators and Jill Schroder is taking over. Office has moved so corrections will need to be made to the website.
- Roadmap revision completed. Official press release will be announced soon. Thanks to Steve Elliot for final editing. Goal to ID national priorities in research, extension and measurement. A lot more info on invasive species and social aspects of IPM adoption. The IPM definition now is the same as the USDA definition. All stakeholder input was appreciated. Introduction was organized and IPM Challenges expanded including PSEP information, future directions, strengthening IPM (more social analogies), new developments in technology, appendices will be on the old PMP website.
- Question-will there be a roadmap graphic? No.
- Question-how should we view from region/state? Needs to be ongoing conversation. Roadmap is a general framework. New NIFA RFAs will cite the Roadmap

### **IPM Institute Update-Tom Green (see PPT)**

- Independent non-profit, 20 years old with 20 staff. The Institute strives to ID and prioritize hot spots, set goals, take action, measure progress and communicate. Challenges-Trying to identify IPM services for Ag retailers.
- Potato Sustainability Initiative-working with 500 growers to improve sustainability, communication and reduce pesticide risks.
- Pesticide Risk Tool-There is a grower spectrum, ID low risk alternatives, ECO Apple/Red Tomato decreased 50% in average high risks/application. This is used in certification programs.
- What's New?
  - PARM model in upper Mississippi river.
  - Sustainable Consortium
  - Established Tick IPM Academy
  - General Mills trained ~800 corn/soy/wheat/sugar beet/ on IPM priorities developed with Extension
  - Field to Market, develop options for member food companies to communicate progress in IPM and on pesticide risk reduction.
  - School IPM training (facilities)-Rebranding Stop School Pests

### **Red Tomato/Framework Update-Tom Green (see PPT)**

- Farming and Food Products Initiatives-Challenges need to develop better understanding by the public. Overall goal is to equip us with messaging to better communicate with non-experts; create more accurate public perceptions about pest management and align citizens and policy makers with scientific consensus rather than being driven by fear/mistrust.
- Started with "Frame Works"
- Discussed Expert story take homes; *Draft* Public Perception Take homes.



- Many different funders including Whole Foods, Red Tomato, MSHS, Marrone, etc.
- Familiarity with sustainability reached all-time high in 2017.
- Questions-
  - How do we communicate complexity when marketers communicate simplicity? Also as public health support is declining? Answer-Develop a story.
  - Will you share the report? Yes.

**3:00 pm      BREAK**

**National Pesticide Safety Education Center (NPSEC) Tom Smith (see handout on notes from the National PSEP meeting in San Antonio and PPT)**

- Center was formed 2/2017, non-profit, mission is to support and serve PSEPS and be transparent, be inclusive, work as a compliment to programs and to magnify
- The goal is provide tools and educational resources and collaborate with PSEP to promote educational materials and assessment tools. PSEPs that develop content owns the material. NPSEC can provide funding. Examples:
  - NH developed online courses
  - CSU non-Restricted Use Products (RUP) state training for applicators
  - Michigan PSEP- help with fulfillment of manuals, can drive down production costs or state manuals and can increase revenue by 3-4 times.
  - NH Demo project with CORE training with formulations
  - Idaho Core C and T online courses
  - PERC-Pesticide Education Resources Collaborative
  - Commodity Groups-Honey Bee Health Coalition
  - Future partnerships: IPM Centers, USDA, NIOSH, Industry, International
  - Formed IPM Collaboration Team at San Antonio meeting (see handout)
- Questions/comments:
  - Need drift management plan for potato growers across US
  - Protective clothing for applicators/decontamination-could develop online course or flip chart
  - How much emphasis is there on Spanish language? PERC is available/can add languages/DVD in Spanish and English.
  - What should be done on a national level for pesticide safety? With shrinking funds and EPA requirements going to necessitate multi-state collaborations. Should we have a Task Force to produce white paper? NPSEC can facilitate meetings, funds, costs. SLA would need to be at the table. This topic was suggested as a WILD CARD topic for next year's meeting. Would need a diverse stakeholders on a national scale such as PSEP educators, registrants, AAPSE,

APCO, structural PCO plus non-voting members such as Federal agencies and tribal groups.

- If we have an idea, NPSEC can help develop resources
- Cornell PSEP-struggling to keep funding. Line item from NY State, so hiring a new Director.
- NPSEC is non-profit but is running like a business
- Good opportunity for IPM to get involved in PSEP

#### **4:00 Dicamba Report and Discussion-Robin Shepard/Mike Fitzner-ECOP**

Comments: It is a problem for Extension to do field testing, question validity, lawsuits.

- IPM Centers sent survey to Extension Directors. Results:
  - Podcast out of UFL, “Extension Director leaving Extension weed scientist out to dry.” Survey showed not true, that Extension is well-supported.
  - Input from Weed Science. Limited to act strategically due to legal issues and complexity of the problem.
  - Specialists have never seen a “more polarizing aspect in Ag. Good relationships on Regional level but not on National level, especially Monsanto controversy.
  - Strained relations between pesticide industry and weed scientists
  - Industry is on the defense, puts blame on applicator and Extension Ed doing a poor job despite buffers and application issues.
  - Problems are much broader than Dicamba on soybeans: herbicide resistance, drift, off-target impacts. How should Extension deal with controversial topics, i.e. organics
  - Strong collaborative effort with weed scientists, WSA, EPA, State Lead Agencies (SLA) and Extension

#### **4:30 Committee Business Meeting**

- Slate of candidates supplied by the committee (Doug Walsh, Charles Allen and Ann Hazelrigg) included David Kerns, David Langston, Glenn Studebaker
- Open nominations from the floor-Danesha Seth Carley
- Voting by all present at the meeting
- Dr. Danesha Seth Carley was elected as Chair-elect

**Adjourn**

**Wednesday October 23, 2018**

**8:00am iPIPE Update- Jean-Jacques DuBois (see PPT)**

- Going into year 4 out of 5. Twenty eight programs were funded for 2 years including 2 interns.
- ID by pest, crop and state. Tracks 253 organisms. 35,474 observations in 4 years. (8X as many that have come from database sharing).
- iPiPE partners with existing organizations and proposes projects: Illinois Pest Survey, NC Region Pollinator Habitat Survey Project, Bugwood, PestWatch
- Most successful programs already had some preexisting infrastructure of contributors.
- 85 interns trained in IPM/Scouting in Extension and Applied Research. This is a path to planned Ext and Ag careers.
- 67 disease and insect risk assessment models
- iPiPE transition

#### **IR4 Update-Keith Dorschner (see PPT)**

- Started in 1963 looking at pesticide products on specialty crops.
- Main program areas include: Food Crop Program, Environmental Horticulture Program. Residue studies, some efficacy & crop safety and Biopesticide and Organic Support Program have both been moved to Integrated Solutions Program.
- Over 18,500 food uses registered for specialty crops and minor uses since 1963, expansion of crop groupings (US/Canada & Codex), nearly 2500 new uses approved in last 36 months, accomplished under challenging regulatory conditions.

#### **Workshop I-STEM education and Development of the Next Generation of IPM**

Spent 45 minutes addressing questions, 15 minutes discussion.

- **Question 1. Why is STEM Education important in food production in general, and in IPM specifically.**
  - Group 1-transdisciplinary training, gender bias, demographic-as succession plan for 'silver wave.'
  - Group 2-basic biological principles that are necessary for decision makers/practitioners, i.e. critical thinking
  - Group 3-STEM broadens understanding
  - Group 4- help kids and adults appreciate where food comes from and know real information, scientific literacy in general public-critical thinking especially as it relates to food
  - Group 5-engineering and chemistry important for pesticide education and safety issues, growers/producers/practitioners need to be informed
- **Question 2. What do you see as the biggest IPM challenges in the next 25 years?**
  - Group 1-Succession planning, funding-formula vs competitive, attracting youth, resistance management, IPM, better branding of IPM/pest management science

- Group 2-need to accelerate/pace IPM systems to adapt to climate change, invasive and resistant species in the face of decreased funding for IPM
  - Group 3-climate change, population of pests moving, inefficiency of pesticides, need more \$ for IPM research
  - Group 4-invasive species, climate change, food storage, perceptions i.e. Crispr technology and fake news
- **Question 3. What Stem disciplines will be required to meet these challenges? Why?**
    - Group 1-ecology, stats, basic biology, better basic sciences, bioinformatics
    - Group 2-science, IT, math, chemistry, biology, social sciences
    - Group 3-business, social sciences. Increase public and private partnerships.
    - Group 4-mechanical engineering, microbiology, molecular biology, informatics
- **Question 4. What programs and/or activities have you conducted or currently are conducting to promote stem education to: Graduate students, Undergrad students and K-12**
    - Group 1-need paid internships for undergrads
    - Group 2-IPM internships, NIFA research experience programs, 4H, FFA, School IPM curricula
    - Group 3-MSU has county-based internship program
    - Group 4-Entomology Foundation, WIPM Center/IPM Institute, promote newsletters; North Central IPM-IPM Symposium Student lunch; Southern region- 'Bugfest' at NC State; UC Davis open house with bug table; 4H, FFA, Insectivolve, professional society awards for undergrads.
- **Question 5. What do you see as barriers and challenges to encouraging youth to pursue careers in STEM disciplines?**
    - Group 1-stats fear, thinking of ag as part of STEM, inspiring teachers, workforce development
    - Group 2-mentoring program, keeping girls into STEM-clubs, add gender and other 'underserved' issues
    - Group 3-under representation of multicultural and gender diversity in science, broaden STEM applications, parental bias
    - Group 4-parental bias, less time in outdoors (especially low economic groups and urban), fewer STEM stars, image of scientist is not sexy, trust in science by general public, image of STEM careers is limited i.e. Med vs Ag, cost of education, quality of K-12 education

## **Workshop II-Ag and Food Literacy-**

Table 1 Questions:

- **Question 1. What is the definition of Ag literacy, and why is Ag literacy important to the general public?**
  - Group 1-familiar with where food and fiber come from, make informed decisions, Ag-Urban interface
  - Group 2-can increase better advocacy for policy, GMO-many misconceptions, how much do the general public need to know?
  
- **Question 2. What do you think are the causes of Ag illiteracy?**
  - Group 1-There has been a 150 year switch from rural to urban, news organizations are ignorant, people expect year round perfect produce, not aware of Ag processes
  - Group 2-guilty by association-EPA decisions that were false so decreased trust, i.e. DDT. News is repeated in sound bites, not whole picture, lots of apathy, not aware of Ag processes
  
- **Question 3. What problems arise from Ag illiteracy?**
  - “all pesticides and GMOs are bad”, high carbon footprint for year round perfect produce, i.e. food waste
  
- **Question 4. Why should we as IPM practitioners and advocates care about educating others about Ag literacy?**
  - Group 1-It's our job, prevents public from passing policy that over-regulates, mistrust of scientists
  - Group2-needs to be better at improving critical thinking, not sure where to start and where to end, i.e. what public needs to know and when.

Even Questions:

- **What programs have you delivered or currently are delivering in the way of Ag literacy education (be specific and provide brief details)?**
  - Ag in the classroom, 4H, FAA, Ag Literacy Day, Master Gardener Associations, Future Business Leader (FBL) Association, Ag Expo, Pollinator Programs, Urban Ag Center, Community Gardens, Green Roofs
  
- **What other products/programs are you aware of, either at your organization (or outside of it) that promotes Ag literacy?**
  - Internships (iPiPe and IPM Institute), press releases, American Farm Land Trust, Master Food Preserver, Master Gardener, local and urban farmers markets, 1890 institutions, IPM Institute-advocates literacy through articles, webinar certification program, IPM Pest Education of food companies, Farm to Table, Farm to Fork, urban green spaces, cranberry education for new state legislators.
  
- **What do you see as current barriers and future challenges to developing and delivering Ag literacy education programs? What resources do you need to develop and deliver Ag literacy education programs that meets these challenges?**
  - Audience is too large, few people involved in training, lack in general interest, too many messages, \$ needs, Social sciences integration would help craft message, building possible messages, terminology can be a problem. Corporate Ag media can be an advocacy group, lack and decline in trust in Land Grant universities. Use of social media, evaluation and effectiveness, more funding to counter bias.

### **Wild Card Summary and Discussion**

- Pat will summarize all and put in NIPMCC Basecamp, a forum for communication, scheduling meetings and platforms.
- Pesticide Safety future-brainstorm ideas Robin Shepard led with ECOP
- Dicamba Update from Mike requested.
- IPM Institutes-doing many cool things, projects and services. How can we get involved?

From Patrick's notes:

1. Invasive Species
2. Pest Reporting Technology
3. Resistance Management
4. Pesticide Safety - Future Models?
5. Dicamba - Follow-up
6. Data Ownership and Use
7. IPM Institute is doing many cool and needed projects and services
  - a. How can we get more entities doing these?
  - b. Why aren't they already?

**Next NIPMCC Meeting will be held at the APLU Building, 1307 New York Ave NW on October 22-23, 2019**

**Adjourn**