

National IPM Coordinating Committee (NIPMCC)

October 22-23, 2019

Washington, DC

Tuesday, October 22, 2019

Welcome - Ann Hazelrigg, University of Vermont, Current Chair of past year

- Logistics (refreshments, thank you for Vermont apples, facilities)
- Introductions

2018 NIPMCC National Meeting Recap - Patrick Beauzay

- NIPMCC Structure
- Previous priorities
 - Funding
 - New technologies and “New IPM”
 - Communication
 - Previous workshop recaps
 - Lynnae - human medicine education program to dispel myths of GMO (new priority)

Northeast Regional IPM Center Update - Deb Grantham

- Funded Working Group for Spotted Lanternfly for \$7.3 million for 4 years, 8 institutions
- eXtension proposal to NSF
- Partnership Grants
- Toolbox Webinars
- PMSP and Crop Profiles
- Awards - Outstanding Achievement in IPM for Jennifer Grant
- Stop Pests in Housing, stoppests.org
- Impact Statements
 - Hoping to make a template for state IPM coordinators
- Animal Disease Biosecurity Coordinated Agricultural Project (ADBCAP)
- Susannah Reese - cockroaches and flies on swine farms
- Invasive Species, presented at NAISMA

Southern Regional IPM Center Update - Joe LaForest

- Regulatory Science Network - Wendy Britton
- IPM Data (PMSP and CP) - Robin Boudwin
- Communication (new website, connect throughout region) - Kayla Watson
- Evaluation - Jean-Jacques Dubois
- Signature Programs
 - Invasive Species (EDDMapS, iPiPE - Joe LaForest and Jean-Jacques Dubois)
 - Resistance Management (Joe LaForest)
 - Pollinator Program (Danesha Seth Carley)
 - Underserved Audiences (Danesha Seth Carley, grant writing, PMSP for Coffee)
- Friends of IPM (Henry Fadamiro)
- Grants - Enhancement (Seed, Capstone, Critical and Emerging Issues)
- Southern IPM Center PD Workshop – Feb 9-11, 2020, Charleston, SC (APS, Entomological Society of America Southeastern Branch, Southern Weed Science Society)

Response to Questions

Bob Nowierski asks,

- *What approach to PDs and coordination of IPM activities?*
 - *Diamondback moth resistance (Joe LaForest)*
 - *Mapping and tracking of resistance*
- *Are you encouraging them to consolidate their impact statements?*
 - *Common measures to have a common consolidation*
- *ARPD - have we seen any pattern in the PD workshops?*
 - *PD have to present, so no real pattern, just presentations near the end of their proposals*
 - *Inviting EIP to Advisory Council meetings as one way to engage with them more*
- *Typical Participation from EIP during PD meetings?*
 - *Yes, try to have the meetings close-by to SERA*

North Central Regional IPM Center Update

- **Advisory Steering Committee in September - Lynnae Jess**
- **Working Groups (\$200,000 13 funded) - Lynnae Jess**
 - Agriculture & Wildlife Coexistence - funded
 - Great Lakes Hop - funded
 - Great Lakes Vegetable - funded
 - IPM4Bees - funded
 - Midwest Fruit - funded
 - Midwest Grows Green Lawns - funded
 - Multi-State Field Crops Extension - funded
 - Organic and IPM - funded
 - Public Gardens as Sentinels Against Invasive Plants - funded
 - Public Tick IPM - funded
 - Pulse Crops - funded
 - Sunflower Pathology - funded
 - Extension Entomologists - still active, but not requesting funding
 - Rights-of-Way as Habitat - still active, but not requesting funding
 - School IPM - still active, but not requesting funding
 - Great Lakes Fruit Workers - still active, but not requesting funding
 - Food Narrative - still active, but not requesting funding
- **Emergency Critical Issues Working Groups (\$100,000) - Lynnae Jess**
 - Herbicide-Drift Risk Management Working Group
 - Concerns of drift on specialty crops, potential full-crop lost if reported
 - Focus on education
- **Pest Alerts - Laura Iles**
 - 33 pest alerts 2002-2017, revitalizing, ADA Compliant, Archived, Revision Guidelines, new alerts, consent will be reviewed every 2 years.
- **Web Communications - Ethan Stoetzer**
 - Monthly newsletter, grant program, center news, promoting initiatives
 - Website complete, Analytics also set up

Questions/Comments: Newsletter is only print. Polymer Amaranth has settled down

Western Regional IPM Center Update - Amer Fayad

- Mission and Vision - healthier west with fewer pests
- People/Team - Director, Associate Director, IPM Network Coordinators, Invasive Species, Project Director, Pesticide Risk Communication, Crop Pest-Losses and Impact Assessments
- Partnerships
 - WERA-1017, Regional IPM Centers, Western SARE, NIPMCC, FIPMCC, Ir-4, USDA-NIFA, Universities, Commodity Groups, Specialty Crops Groups
- Communicate IPM Success and Stakeholder Needs
 - Strategies - stakeholder needs assessments, PMSP, grant program, newsletter, website
- Signature Programs
 - Invasive Species
 - Crop Pest-Losses and Impact Assessment
 - Pesticide Risk Management
 - IPM Network Coordination
 - UC Riverside - vegetation buffers to improve postfire invasion resistance of Coastal Sage
 - Gene Silencing for Zebra Chip Control - USDA-ARS in Wapato WA
 - Northwest Berry Foundation - Utilizing UAV Technology to assess pest and disease pressure in berry crops (OR)
- 2018 Annual Report brochure - Steve Elliott
- Priorities
- Grants 2019-2020
 - Can now just download one PDF document

Questions/Comments: Bob Nowierski

Bob: Do you have any sense where EPA and IPM stand with gene editing, silencing systems?

Amer: No answer, but it is ongoing. Risk and safety, better educate regulators

Bob: Great connection and role centers could play. We need technology.

NERA1004 Update - Hilary Sandler

- Penn State
- UMASS
 - Mentor Farmer Program
 - Growers that are new, on farm visits, identified goals, teach scouting and diagnostics, and make recs
- UCONN
 - Invasive Species
- U Maryland
 - Apiculture
 - IPM within Apiaries
- IPM in Housing
 - Stop Pests, consultation and training for urban situations
- Extension Impacts
- Regional IPM Issues
 - Spotted Lanternfly, Longhorned Tick
 - Educate ourselves and the public about these pests
- Urban IPM

- Need more resources
- Bridging Language Barriers
- Farm Challenges
 - Climate Change and Resiliency
 - Weather and Regulation
 - Rainfall Concerns
 - Vector-Borne Illness

NEERA Annual Meeting

- IPM Symposium
- U of Maryland
- 2020 TBD in Mass

NEERA 1604 Committee

- Meetings
- Update Regional Priorities
 - Next Gen Educations
 - Non-english speakers
 - Innovative Program, reach out to next generation and young farmers
 - Link with workforce development efforts
 - MOOCs, social media, and video
 - Improving Metrics
 - Increased resources for pollinator health
 - Increase Collaboration
 - Build Connections
 - NEWA
 - Training County agents using Climate Smart Farming Website

Questions/Comments:

- Bob: When next round of funding for extension implementation, how signature programs are reflected in EIP programs on a regional basis so that you're addressing them regionally rather than state-by-state priority?
Hilary: not aware of real active efforts. Great thought. Think beyond state boundaries.
- Deb: Stop Pests program when they are working with residents, Spanish language materials, they can't read it all, looking at a way to produce visual materials. Working with tribes to produce video, as well.
- Pat: It would be good to see some collaboration. North Dakota collaborated with Michigan state around pollinator education and that was well received. Enhanced both of our programs grants. NIFA was happy to see that too. Sit down with committees and see where we CAN collaborate.
- Bob: Might help demonstrate regional impacts better.
- Good reminder when RFA comes out to schedule conference call among states to see where they could collaborate - Ann Hazelrigg

SERA3 Update - David Langston

- Meetings and Activities
 - March 6, 2019 - Annual meeting in Mobile, AL
 - February 2020 - Charleston with SDAPS
- IPM Priorities

- Criteria -
 - stakeholder input,
 - address economic, environmental, and/or human health issues,
 - relevant to two or more states/territories in southern region
- New and Emerging Insect Pests
- New and Emerging Diseases
- Established Insect Pests
- Established Diseases
 - Cucurbit Downy Mildew
- Nematodes and Weeds
 - Nematodes, Less known about nematodes that most of the pests that we work with. There is a greater awareness than there has been, but not much concrete knowledge, thresholds need to be tightened up, lack of nematicides
 - Weeds: Herbicide Resistance Weeds (Glyphosate), Aquatic Weeds
- Other Pests (slugs, giant african snail, pythons, feral hogs, voles, use of pesticides for plant health)
- IPM Systems
 - Pollinator protection, hemp, focus on people that are making the recommendations (influencers)
- IPM Evaluation
 - Webinars, Pest ID Guides, Apps, online training tools
 - Creating new resources and developing new/improved programs
 - Distance education, IPM pipe-like programs, IPM demos
- Sustainable IPM Infrastructure
 - Institutional Support
 - Train Future IPM professionals
 - Maintain Southern Region liasons through the Southern IPM Center
 - Improve Linkages and Partnerships
 - Sustained Institutional Support to maintain and improve pest diagnostic capabilities
 - Land-grant universities are very good at this
 - Improve extension IPM Staffing and capabilities
 - Enhance Federal and State support for extension IPM and knowledge transfer
 - Projects that translate educational materials into other language to reach under-served non-English speaking audiences
 - Projects that emphasize county agent training

Questions/Comments:

- *Cliff: County agents are starting to disappear, so how do you see that?*
- *David: Movement more towards area specialists has been slower, seems to be at least one ANR agent per county. We are starting to see more and more combinations of counties, and hesitations from moving to regional expert. In Georgia, we have a blueberry specialist. It is not a broad brush, but it is helpful.*
- *Lee – IPM and hemp? Kentucky and NC State is leading that charge. No pesticides approved for it.*
- *Robin: Talks of PMSP*
- *Joe: perhaps and IPM working group being formed*

- *Tom: A note out in the next month, is anyone interested?*
- *David: A list of approved document would be helpful.*
- *Brett: Southern Region multi-state research project, there is a group that does this. This highlights coordination.*

NCERA222 Update - Lee Miller

- Meeting in Mid-March in Missouri
- The Dicamba Dilemma (Kevin Bradley)
 - 900 acres of peaches
 - It is not just soybean
 - Seeing damages of trees, orchards, grapes, our numbers are going down, but the use problems are not
 - Graduate Students did research
- One impact that someone would talk about, one slide
- 6 referee publications that came out
- 9 extension publications
- Minnesota
 - Pollinators, bringing farmers and beekeepers together
- NDSU
- Michigan State
- NCIPM Center
 - Pollinators, Agriculture Pollinator Survey, 10 weeks of surveying, put into iPipe, and also hopefully into some sort of publication
 - Training and Influential Network of Farming, Beekeeping and Extension Experts to Promote Bee Health

---WERA UPDATE SKIPPED and moved to later---

How to Connect with Federal Legislators - Kristen Adams, Cornell University

- Federal Relations at Cornell
 - Developing any federal policy on legislation
- Work with University Leadership
- Establish and maintain relationships with federal policymakers and their staff
- Work with coalitions – higher education associations, professional societies, industry groups – to promote items of mutual interest.
- Ways that we have partnered:
 - Enlisting campus advocates, presidents and deans
 - Faculty present their research at capitol hill receptions
 - Student Advocates: Undergraduate, financial aid, graduate student research
 - Outreach advocacy: Cooperative Extension, volunteers, 4-H Teen, Ambassadors
- Federal Budget Review, 2020 in perspective
 - President delivers proposal to conference for all federal funding
 - Congressional budget committees write a budget resolution
 - Target date: March 15th (has not happened in a long time)
 - Not a real budget, but blueprint with recs of spending target in broad categories
 - Sets top line, establish priorities, provides “reconciliation instructions”
- Budget is necessary to work on appropriations

- Showed us a normal schedule.
- In a CR until November 21st
- House has passed the bills for USDA funding. 20 million for crop pest management amount is what we think will be given
- Budget Season
 - Typically see this as the Spring
 - Why should congress continue to invest public funds in things like IPM, extension, and ag research?
 - If members don't hear from you – sep if they have heard from everyone else – how else will they know if they are getting their moneys' worth
 - Federal agencies and programs provide detailed budget justification to congress
 - Interest groups submit appropriations requests
 - Fly-ins to lobby in person
 - Letters
 - Testimony for the record: written statements, public witness days
 - Hold member days where they will go through this information on the record
- Effective Communication
 - Define
 - Define your ask – put it front and center in all of your communication
 - Write
 - Write an effective one-pager
 - List accomplishments, tailor to your audience, what are you doing locally? Local farmers, universities, etc. Avoid the jargon in a one-pager
 - Most likely meeting with legislator staff that will be talking to the legislators afterwards and also write the new policy
 - Include pictures
 - If you go with a lobbyist, you CAN lobby
 - Leave behinds
 - Tell
 - Tell your story: Data are good, but people remember anecdotes
 - Enlist
 - Enlist third-party advocates to vouch for your effectiveness
- Navigate Capitol Hill
 - Besides talking to your federal relations officer
 - www.house.gov to find out who your person is
 - You can call the senate
 - Send constituent mail through on-line protals
 - Contact individual/targeted offices
 - Who can I contact in your office about agriculture?
 - Work with your federal relations office on campus if you can
- After meetings
 - Say thank you in person, sending an email, milestones in the process, social media is also effective
 - Send reminders throughout the process
 - Invite your Representatives and their staff members to visit

- Tour a workspace to show IPM in action
- Involve stakeholders who are key constituencies
- Do you want to see what we are doing?

Questions/Comments

Lynnae: Make sure to mention that you are a contact and a resource if people have questions. Leaving your business card is very helpful.

Robin Shepard: check with him and Brett and make sure to keep in mind that we can be strategic with you on this. Director Liaisons, executive directors of ESCOP (Robin and Brett)

Brett: Some of the feedback that we keep receiving is that we have 47 lines in NIFA's budget, so the coordination is really helpful to make sure that we are making strides in the same direction and strengthening the voice and not blurring it

Kristen: Appropriations request forms are helpful. You want to make sure that you are on your university list. Cornell prepares theirs in Jan. Get it out in Feb, ahead of deadlines, but after presidential

Doug: CPPM, 19 different funding lines, needed to consolidate into one funding line. Under the secretary of Agriculture.

Deb has contact information for Kristen.

WERA1017 Update - Doug Walsh

- Covers large area
- Objectives
- Annual Meeting September 18-19, 2019, Richland, WA
 - Objectives
 - Increase knowledge
 - Increase relevance
 - Enhance collaboration
 - Improve coordination
 - Held their meeting and had representation from most states, territories were not in attendance
 - General update
 - ARDP grant recipients presented
 - Research Roundtable
 - IPM Bus Tour, onion packing plant, irrigation engineer from Washington University, Winery Tour, Hop Harvest
 - Pesticide Risk Reduction Workshop

Questions/Comments:

Deb: NRCS national?

Doug: It is basically state.

Lynnae: Lindsay Haynes is trying to get IPM into the process

National IPM Communicator: Update and Discussion - Steve Elliott, Western IPM Center

- A process is needed to aggregate, package, and discuss stories
- Evaluation & Communications
- Speakers included a SARE national communicator
- Funding ideas discussed; funding remains a challenge
- Four regional communicators relaunched ipmcenters.org website
 - New architecture and copy, parts are still not built due to not one primary role
- Still need for national communicator

- What do you want to do?

Questions/Comments

Pat: Can we reach a consensus in the standing communicators without a new position? How do we make best use of infrastructure?

Deb: Educators in the regions could narrow down to some needed message, come up with a framework together

Amer: Do we have a plan or a list? State of IPM report. Heres how the funding could work. Each innovation lab put in 15k, contacted a firm to do communication.

Brett: Make sure that we are entering impacts into the database, could be at least available, National Impact Database Committee

There are opportunities to work within the system. LangGrantImpacts.org, Hosted by Texas A&M, mustistateresearchimpacts.org

Steve: We are doing more than we used to. More frequent newsletters. 4 communicators. More engagement. That will help. There is a next step that can happen.

NIFA Updates - Bob Nowierski

- Crop and Pest Management - 2019 4 regional continuation awards
- Extension IPM Implementation - 45 awards
- ARDP - 16 new awards
- Continued resolution delays government shutdown
- Most RFA's developed for a 2-year period
- Virtual grant review panels
- No specific info about funding for 2020
- NIFA staff have completed all actions on 2019 grants for regional programs, 45 EIP, and ARDP
- RFAs and Grant Program assignments
 - Release as soon as a feasibly possible
 - Most of the RFAs have been developed for a 2-year period
 - Virtual Grant review panels
 - Grant program responsibilities and assignments
- Please brief Bob on what is going on since he is wearing many hats
- 25% of NIFA staff have relocated to Kansas City
 - New National Program Committee positions
 - Final Building location solicitation still underway, using cubicles right now
 - NIFA has selected 6 national science liaisons that will remain behind in DC
- Most liaisons will have additional grant responsibilities until new hires
- Small business innovation, crop protection and pest management, co-direct AFRI, AFRI foundation pest and beneficials ag production systems, pollinator health
- Pollinator Health needs lead
- Points of contact for IPM
 - Bob
 - Mike Fitzner as a last resort
 - Kathy Kimble-Day

Questions/Comments

- Different deadline for submitting proposals and Reepoints
- Pollinator health and Research Director positions to be filled
- Funding will be delayed, if you don't spend your money, you will lose it

IPM Institute Update/IPM Voice/Farming and Food Narrative - Tom Green

- Launching a new brand of sustainable food group
- Food supply chains that are much broader than IPM
- Updating Vision and Mission
- New Service food services being able to talk to scientists about pesticides
- Educating about pesticides and what is happening with those issues
- Sustainability Certification that can add on to their food safety certification
 - Being offered by the food safety people
 - Group certification is offered
- Potato Sustainability Initiative
 - Changing to alliance instead of initiative
 - Driven by McDonalds in the past, but is going to open up to more people
 - They want to be able to say “all of our potatoes were sustainably produced”
- Sysco
 - Primarily US based, 10k farmers
 - Fresh Products incorporated into the program
 - Audit-based programs
 - Review that at IPM institute
- Field to Market
- The Sustainability Consortium
- What are the critical drivers of outcomes? More targeted on the outcomes that we want to achieve.
- Success stories. Challenges, crop loss.
- Midwest apple and grape, Vietnam black pepper crop consulting
- Working Groups
 - Tick IPM
 - First Annual Tick IPM Academy with UW
 - Organic and IPM
 - Midwest Grows Green
 - Hemp?
 - IPM Communication?
 - Broad communication committee to try and figure out how to frame the conversation around IPM after some results come back from studies
- NRCS and IPM
- Madison WI IPM Policy Task Force
- Transitions
 - Tom is stepping down, staying on the board but no longer doing day to day, starting his own company
- Madison WI IPM Policy Task Force
- Transitions - Tom Green is stepping down as Director (last year); will remain on the board
- Farming and Food Narrative Project - IPM Voice; partnered with Frameworks Institute; Recruiting communication partners; interim report released last fall, new version out this fall; recommendations; 5-year project; IPM communications working group
- 10th IPM Symposium, March 15-18, 2021
- Jennifer Grant - Bayer released sustainability platform; reduce environmental impact by 30% by 2030; measure it by Environmental Impact Quotient (EIQ)

AFRI Tactical Updates - Marty Draper

- Tactical Science Coordination Network
- Local Team Members - PD and 4 Co-PDs
- Programs Involved - FADI, CPPM, IR-4, MUDRP, FARAD
 - All programs are connected, related, responsive and aligned with the threat response continuum
- Goals - efficiency, effectiveness, accountability, and relationships/trust (most important)
- Principles
- Objectives
- Sustainability Plan - based on an IU/CRC model; industry partner recruitment in progress
- Coming Activities - project manager to hire @ 0.25 FTE, coordination call in Nov, face-to-face meeting in Kansas City
- Website url tacticalsciences.org (not live yet)
- Coming soon to a "Tactical Science" program near you!

Questions/Comments

- *What are your plans to solicit industry? How do you select who will participate in industry? We will start out with industries we had support letters from, venture capital companies that have shown interest and how they can best gain from having these programs in place. If they show interest, we will bring them in for part of the face-to-face meeting. Animal health has been all over this. Plant health- not so much so. Kansas City seems to be an animal health corridor.*
- *Why isn't plant health and what is it going to do? Areas of commonality and develop those needs into potential funding mechanisms. Example, diagnostic networks together, see it as a goal, pair them with companies who have shown interest through the sustainability program. This is at the core of what we are trying to do. Plant protection industry has disarray right now, which might be why there is not much interest. Many major plant industries did not show up at recent big events. Match making is part of what we are going to do. We will be paying for participants to be coming to this meeting, so that they will not have to pay indirect costs. We see you as partners in this just as much as the five trying to put it together from this end.*

National Pesticide Safety Education Center Update - Tom Smith

- Are we serving the extension programs
- 8 PSEPs, 2 from each region
- 2 regulators that we are looking to be filled
- 2 registrants, one open position
- Liason with eXtension

Organizational Structure

- Not a hierarchy, linear (across and down), and flat, lines of communication
- How we meet our mission
- Printing Distribution and Revenue Sharing
 - Pesticide Educational Resources Collaborative (PERC)
 - National Pesticide Information Center
 - Association of Farmworker Opportunity Programs
 - Information presented as a pictogram for those that might not be completely literate or have a hard time understanding the languages
 - State PSEPs
 - Colorado
 - Maryland

- Michigan
 - Oregon
 - Rutgers
- Online Course Development and Hosting
 - Software
 - Articulate Presenter
 - Articulate Rise
 - Adobe Captivate
 - Hosting on eXtension Campus
 - Projects
 - New Hampshire, IPM
 - Colorado, Basic Pesticide Training
 - Idaho, Applicator Core Training, Master Gardeners pesticide calc
 - Paraquat, EPA mandated training
 - Fee for service OR cost recovery
- Tech Services
 - E-books
 - Phone apps
 - Website development
 - Social Media
 - Videography and Photography
- Tech Services
- Grand Funding
- Amplifying Messages
 - Target messaging about pollinators and pollinator education using mass media, radio and digital resources
 - How do we get the message out to the general public
 - Farm families by zipcode
 - Websites for small to medium communities
- New Meetings
 - Collaboration Teams
 - Respirators
 - Pollinators
 - IPM
 - Invasive Species
 - Pacific Island PSE Collaboration

NPSEC's role

- Serve and Support extension PSEPs
- Facilitate and Incentivize Collaboration with a diverse group of stakeholders
- Interface with universities, govt and large multinationals without the institutional barriers

Questions/Comments

Amer: With the online classes, how do you measure outcomes?

Tom: Whoever has the content is dictating that content.

Strategy for websites, National Advisory group and PSEPs about what the message needs to be. Simple messages. Also look at other resources.

Have university dept of ag reaching out to you? No. We are happy to work with everyone. Looking for an innovative way to reach a large number of people to influence them.

Deb: The messages that you are interested in is extension messages instead of “we’re great” messages.

IPM Education in PSEP - Dean Herzfeld

Dean Herzfeld – Educational Needs at the Intersection of Pesticide Safety and IPM

- USDA roadmap: IPM Goals
 - Same as core goals of Pesticide the Safety Education
- Significant
 - IPM content in Pesticide Safety Education
 - Overlap of USDA IPM Roadmap and content required by federal standard
- IPM Content in Pesticide Safety Education
 - (Re)Certification of pesticide users
 - Manuals
 - Exams
 - Presentations, workshops, courses
 - Educational materials and other resources
- New C&T Rule, Certification and Training
 - Persons seeking certification...practical knowledge of the principles and practices of pest control
- State Level Requirements
- Selection of Content in Pesticide Certification Exams
 - Engage diverse group of individuals who work directly with pesticide users (content group) to conduct ‘job analysis’
 - Job duties, task, needed knowledge, performance measures (converting to learning objectives)
- Where does IPM surface in this process?
 - ...whether in contributes in some way to the protection of the public or the environment
 - Dr. Drew Martin, Office of Indiana Chem
 - Best management strategy
 - Evaluate environmental and pesticide resistance issues
 - Application site assessment of wide range variable
 - What about those individuals who are only told what to apply and when and where to apply it?
 - They show more IPM related decisions than they themselves recognize
 - Education in Pesticide Certification goes beyond Regulatory Science Outreach
 - Not achievable by regulatory compliance alone
 - Safe food and clean water
 - Healthy ecosystems
 - Occupational safety
 - Public Health
 - Strong Economy
 - Enhancement of quality of life
 - One Health Idea
 - Overlap in learners
 - Certified pesticide users, invasive species, home and master gardeners, local communities, organic, farm workers, pest management
 - IPM and Pesticide Safety

- National collaboration team of diverse stakeholders focused on development of educational materials and resources.
- Ask – What role will you have on the collaboration team?

Questions/Comments

Joe LaForest: Have any topic areas solidified?

Dean: Not yet

Pat has had some luck in Resistance Management and Using Economic Thresholds

What about homeowners? Goes into to second bullet of overlapping learners

Lee: need to have certification for non-trained public

Tom Smith: We think we can do that with mass media

Individuals willing to work with them? Pat, Joe Laforest, Lee, Doug will bring up in the West

NIPMCC Business Meeting - Patrick Beauzay

- Vote on chair elect for 2020
 - Jim Farrar was elected
- Meeting location - Kansas City vs DC
 - General Consensus (no official vote) that DC was preferable
- NIPMCC Meeting - October 20-21, 2020
- IPM Centers Meeting - October 22, 2020

Wednesday, October 23, 2019

NIFA Interim Associate Director for Programs - Dr. Parag Chitnis

- Looking for National Program Leaders and Program Specialists
- 25 PhD positions, so let your students know
- Grants may be delayed by a few months
- Temporary Space
- Congress has been supportive of the budget, possibly increasing it
 - Even though we do not have appropriation for 2020, we feel very hopeful
- CPPM Funding, should be funding 2020 at current levels
- Applied research through AFRI?
- This is an opportunity to reevaluate current practices and processes both for CPPM and NIFA in general
- Organic Funding is going from 20 mil to 50 mil

Questions/Comments:

Q: Possibility for faculty to take leave and work with NIFA on sabbatical?

A: Definitely planning to do it.

Q: Looking for input on the different points Written form? Feedback?

A: More discussion right now to talk about how we want to do it, work through ESCOP and the APLU and other systems to get the information out. Stay tuned.

Q: Should we talk to our administrators?

A: Send an email to me or Mike Fitzner. Provide input about processes and organization.

Legislative Authority about AFRI and Integrated Authority

Q: Would our current authority change?

A: The goal is to have more programs that allow integrated authority.

iPiPE Update - Jean Jacques Dubois

- iPiPE current funding is ending this year, in the process of getting an extension into 2020
- Crop Pest Program, Location, set of crops, set of pests
- Reported in 2019
 - Most are going into a no-cost extension into 2020
- Commodity Programs
 - Corn and Soybean
- Market Research
 - 11,000 phone calls in order to get 200 responses, even with compensation
 - Land Grant Universities and Extension Services are the most trusted authority with the stakeholders.
 - Crop consultants and Extension Specialists are especially willing to pool their data collection in support of tracking data
 - Would you contribute if these others did not?
 - Generally, people are less willing to share with crop protection companies
 - Crop protection companies might share with universities and consultants, but not much else

- Crop protection company = executive at corporations of precision ag and such
 - Groups prefer that it be a publicly owned organization instead of industry, except for growers, they don't care about as much
- iPiPE and EDDmapS are merging
 - folding iPiPE resources into EDDmapS
 - publically available and the system that held the information initially
 - the notion of some anonymity
 - information supplements
 - deliver state of the art IPM information
 - web-based networking tools
 - funds are keeping the server on
 - iPiPE is more about new forms of delivery and experimentation and new ways to do that. That is where we are trying to draw a line, and the IPM Centers will now be offering what would have been iPiPE territory.
 - Maps that show the movement of pests throughout a season
 - Joe wants everyone to be able to use the data
- In 2020
 - Corn, soybean, pecan, wheat, cole crops, blueberries cranberries and grapes; grapes; potatoes; potatoes and tomatoes; sorghum; urban ag; vegetables
 - Spotted wing drosophila; BMSB; rose rosette; sugarcane aphid etc
- Forms of Reporting
 - Direct In-season Reporting
 - Looking at verified citizen scientists
 - Linked Reporting Platforms
 - myFields
 - Farm Dog
 - iNaturalist
 - CalFlora
 - Other Sources
 - Bulk data
 - Literature
- Plant diagnostic center is looking at how to be able to provide this information but in a way that is a bit more guarded. They are thinking of how sharing their data is going wrong, so until they see it, they are a little hesitant without knowing the risks.
- NPDN can be difficult to discern
- What can we say with the data?
 - If the data supports it we can show it, however
 - Is this something that can positively affect management?
 - Is the message clear?
 - How can we send this signal to other programs?
 - Who else can provide insight on this data?

Feedback: Possibly a stakeholder group needed (Lee) with growers, etc. That is the plan for the future. If you know anyone that would fit into a group like this, it would be helpful, please reach out to Joe.

Can we combine this into a national working group with the centers working together? We sort of are with Invasive Species.

Herbicide Resistance Management and Tracking Resistance - Steven Mirsky, ARS and Joe LaForest

- Weeds
- Dealing with more of a preventative instead of responding to crisis
- Integrated weed management requires geospatial solutions
 - Ecological processes are messy
 - Build the knowledge to manage complexity
 - Climate, soil, and management
- Integrated Weed Management Team
 - Integratedweedmanagement.org
- Herbicide interactions study with cover crops
 - Multi-tactic management strategies
 - Studies across the US
- Lots of data to pull from
- Harvest Weed Seed Control
 - Chaff cart
 - Narrow windrow burning
 - Bale direct
 - Chaff lining
 - Impact mills
 - Chaff tramlining
- Harvest weed seed control, herbicides, cover crops, and tillage
- Decision support tools and models serving all stakeholders
- On-Farm Research and Monitoring, keep growing farm numbers to get better data
- Social Scientists are a huge part of what is happening here
- Plan is to take all of the different entities working together and see if they can become a center. However, it has to be low-cost and this an extremely competitive area.

Joe LaForest: Tracking Resistance

- There is a gap.
- Allow people to report when something doesn't quite go as planned
- Working with diagnostic labs and finding which labs have the capability and willingness to take and test samples
- Finding out protocols from different labs, and knowing what the protocol was at the time that the data was used.
- Not helpful for growers because this changes from year to year
- If nothing else, the data is still in the database. They have resistance profiles with the isolate at that site.
- Shows potential for tracking resistance at a local level
- Working with arthropod pesticide resistance database
- Starting with easy targets
 - Diamondback Moth in Cole Crops – David Riley (UGA)
- Identify other individuals that might be interested, other data sources, identify other "low sensitivity" targets (insect, disease)
 - LaForest@uga.edu

Once things start moving help people get engaged

IPM Priority Setting Discussion

- Common Resources that were needed, basically funding
- How do we set priorities:
 - EIP Vermont
 - NE Small Fruit and Vegetable Working Group
- In NE, advisory council
- In south, we lean on SERA3 for priorities, we also speak with advisory council, priorities as set by PMSP's in our region, workgroups also set priorities
 - We do not cherry pick, we only report them, they are trusted sources for our region
- Tom Green
 - Survey Monkey
- Western Center
 - Advisory Board
 - Commodity Groups
 - Post on Website
- North Central
 - Took signature programs and made them into priorities
 - NCERA222 groups
 - Similar to the other regions
- We don't often come up with action items, consider doing that with this meeting

Perhaps, National Priorities/National Needs

Having these listed somewhere is important when writing grants

IPM Roadmap is also available

Write in to NIFA as a National Committee

Facilitator for next year to make these into a small number of big banner issues

Executive Committee can be looking at this in quarterly meetings

Reach out to stakeholders about the priorities

Take the 3 broad categories to legislators

Wrap-up and Next Steps - Robin Shepard, ESCOP and Brett Hess, ECOP

Meeting Attendees:

Tuesday, 10/22/2019 (27 attendees)

Ann Hazelrigg
Kristen Adams
Matt Bauer
Patrick Beauzay
Robin Boudwin
Marty Draper (online)
Jean-Jacques Dubois
Steve Elliott
Amer Fayad
Jennifer Grant (online)
Deb Grantham
Tom Green
Ann Hazelrigg
Dean Herzfeld
Bret Hess
Laura Iles
Lynnae Jess
Joe LaForest
David Langston
Lee Miller
Bob Nowierski
Cliff Sadof, Perdue University
Hilary Sandler
Robin Shepard
Tom Smith
Ethan Stoetzer
Doug Walsh
Kayla Watson

Wednesday, 10/23/2019

All Above Except Bob Nowierski

New Attendees

Wendy Britton
Danesha Seth Carley
Parag Chitnis (online)
Steven Mirsky