



National CAPS Committee (NCC) Conference Call

January 4, 2018

Minutes

Participants

John Bowers	Kimberly Rice	Brittaney Allen	Feridoon Mehdizadegan
Lisa Jackson	Tyson Emery	Dale Anderson	Steve Bullington
Rick Zink	Megan Abraham	Ian Foley	Cindy Music
Greg Rentschler	Helmuth Rogg	Heather Moylett	Eileen Luke
Eric Ewing	Emilie Inoue	Dan Mackesy	Laura Hartmann
Darrell Bays	Sherry Aultman		

NCC Rotations and Transitions

January starts a new year, and with it, we welcome new members to the NCC.

- Eric Ewing is the PPQ State Plant Health Director in West Virginia (replaces Terry Bourgoin),
- Kimberly Rice is the State Plant Regulatory Official in Maryland and represents the Eastern Plant Board (replaces Piera Siegert),
- Helmuth Rogg is the State Plant Regulatory Official in Oregon and represents the Western Plant Board (replaces Brad Lewis), and
- Dale Anderson, the State Survey Coordinator in South Dakota, begins his second term as the SSC representative of the Central Plant Board states.

Term Limits & Rotations

An updated NCC [Term Limits and Rotations](#) file has been posted on the NCC page of the CAPS R&C site. This chart shows terms on the NCC through 2010.

NCC Conference Calls

The NCC will continue to hold its monthly conference call on the first Thursday of the month at 1:00 pm eastern time. John sent out a calendar invite that covered the rest of the year. Agendas or list of topics to be discussed on the call will continue to be shared via updates to the calendar invite.

Directories

With the new year, now is a good time to review the [Directory](#) information on the CAPS R&C site for your constituency. Please let Cindy Music at Purdue know if there needs to be any changes. Especially important at any time of the year is when new people join the community so that we can embarrass them on the home page of the CAPS R&C site, but more important, that those new with responsibilities for NAPIS data entry, Survey Summary Form entry, and other

Note: A reminder to the NCC, please distribute CAPS updates, conference-call minutes, and other CAPS-related information to the constituency that you represent in a timely manner. Also, please bring their items, issues, concerns, and opinions back to the NCC for discussion. It is our responsibility that everyone is kept engaged in the CAPS program.



CAPS Information Services activities can receive the proper training. Please let Cindy know so that she can reach out to them.

Cooperative Agreements

A reminder, each state will have at minimum two separate agreements, one for Infrastructure and one for Survey (if all surveys are combined into one work plan). Otherwise, there will be an agreement for each Survey. The current CR is at 30%, and it runs through January 19. If you would like a partial agreement, let your agreement specialist know. Partial agreements will be at 30%. When preparing pre-award letters, factor in the 30% when determining the amount of the pre-award. Contact your agreements specialist for details if you have any questions.

The cooperative agreement process has not changed. States will submit work and financial plans through the SPHD office, who will then submit them to the Field Operations SharePoint site for review by Lisa. Once approved, the agreements staff will create an opportunity in ezFedGrants. States will then apply through the opportunity to start the agreement development process. Everything from that point forward will be done in ezFedGrants.

Budget

The current Continuing Resolution to fund the Government expires on January 19, 2018. Congress returned from break with a lot of issues on their plate. We will just have to sit tight and wait and see what happens. We will keep you informed of any developments that we may hear.

2018 CAPS Recognition

The 2018 version of CAPS Recognition is about to begin. The call for nominations will go out shortly. Nominations should include a narrative on the specific activity conducted or achievement of the person or group being nominated that occurred in 2017. This will include a description of the activity/achievement, its significance to Pest Detection activities, and the impact of the effort. Narratives should be no more than two pages in length, and shall be submitted along with the nomination form, to the National CAPS Program Manager by COB Friday, March 16, 2018. Up to three awardees will be recognized publically at the 2018 National CAPS Meeting (if held) or at the 2018 National Plant Board Meeting (if feasible). See [CAPS Recognition](#) on the Resources page of the CAPS R&C site for more detailed information. Consider nominating a worthwhile individual or group. The [Nomination Form](#) also is located on the [Resources page](#).

Annual NCC Meeting

The Annual NCC Meeting will be held in Newnan, GA at the National Detector Dog Training Center (NDDTC) on February 7-8, 2018. A hotel room block has been reserved and reservations are due. Please make your reservations before January 16, 2018, if you have not already done so. A [Draft Agenda](#), as well as [Meeting Justification](#), and [Travel Information](#) documents have



been posted on the [NCC page](#) of the CAPS R&C site. A [State Justification Letter](#) also is posted to support individual travel approvals if needed.

Please review the [Draft Agenda](#). In preparing the final agenda for this meeting the NCC needs to know what is important to the CAPS community. What issues and/or topics does the NCC need to talk about to meet the needs of the community? Is there something that the NCC needs to address? What is going well and what is not? Do you have suggestions that will benefit the CAPS program? The NCC should talk with their constituency about the meeting agenda and the topics listed so that they can participate on their behalf, and let us know if there are other topics that we should be talking about. Please discuss this opportunity among your constituency to get what is on your mind out on the table. Please speak up as everyone has a role and responsibility to improve this Program. January is the month to have these critical conversations.

In preparing for the meeting, every attempt will be made to post documents on the [NCC page](#) of the CAPS R&C site in advance of the meeting. This will allow the NCC the ability to review these documents and be able to discuss the information at the meeting. Those presenting information are encouraged to have their information posted ahead of time as a document, presentation, summary, and/or outline, as appropriate. Coordinate with John. The deadline is January 26 so preparations can be made. Additionally, what other documents would the NCC like to see ahead of time or have at the meeting for reference? Let John know so that they can be prepared in a meeting booklet as in previous years. Mini-white papers will be prepared and distributed before the meeting to allow preparation and discussion.

CAPS Webinar

The next CAPS webinar is scheduled for January 17, 2018, at 2:00 pm eastern time. Cindy will present the public side of the CAPS Resource & Collaboration website (which is just about everything from an information sharing perspective). An invite to share with your constituency will be forthcoming, but mark your calendars now. All are invited to participate, so please share the invitation with others, managers, etc. that you felt would benefit or increase their understanding of the program.

Survey Supplies Webinars

John Crowe will be presenting two webinars in January focused on ordering and approving survey supply orders in the IPHIS Ordering module.

Webinar 1: Placing orders in IPHIS – January 10, 2018

The Survey Supply and Procurement Program would like to invite State Survey Coordinators, Pest Survey Specialists, and other individuals who place orders to a training on the Ordering Process for Survey Supplies. The webinar will be on Wednesday January 10, 2018 (2:00 – 3:00 pm Eastern). This training will give you the tools to ensure that your orders are complete and accurate. The webinar will review:



- Ordering in IPHIS,
- Best practices for placing orders

Webinar 2: Approving orders in IPHIS – January 11, 2018

The Survey Supply and Procurement Program would like to invite State Plant Health Directors to a training on the Ordering Process for Survey Supplies, January 11, 2018 (2:00 – 3:00 pm Eastern). The SPHDs play an important role in making sure that our state cooperators are able to access the benefits of the PPQ Ordering System in IPHIS.

- Ordering in IPHIS
- Best practices for ordering
- Order Review
- Order Approval

If you are interested in these webinars but are not able to attend, please let Lisa Jackson know. We can offer them at a later date.

Survey Supplies – *Helicoverpa armigera* (Old World Bollworm) Lure

Traditionally, CAPS, Farm Bill, and PPQ surveys have used a 2-component *H. armigera* pheromone blend. This pheromone also attracts the native species, *H. zea*, often resulting in hundreds of non-target moths per trap. In late 2016 the decision was made to use the new 3-component pheromone for 2017 OWB surveys. This was the only pheromone provided for the 2017 survey season, and many states reported a significant reduction in *H. zea* by-catch (almost zero in some locations), leading to concerns that the pheromone wasn't working as well as in prior years. For the 2018 season we have decided to revert back to the 2-component *H. armigera* pheromone. The reason for this change is that we do not have hard evidence that the 3-component pheromone attracts *H. armigera* at the same rates as the 2-component blend. We will be conducting additional laboratory and overseas field trials to determine the efficiency of the 3-component pheromone, and, depending on the results, we may switch back to this pheromone blend in the future. For additional information, see the appendix at the end of the notes.

What this means to you:

- For CAPS, Farm Bill, and PPQ surveys (orders placed through IPHIS), you will receive 2-component pheromone lures. **PLEASE DISPOSE OF ANY OLDER LURES**, this includes lures from 2017 and any prior years. The efficiency of lures degrades over time, and only new 2018 2-component lures should be used for OWB surveys.
- If you had planned on using 2017 lures that you had on hand for CAPS, Farm Bill, or PPQ Pest Detection surveys, **please place a new order** for *H. armigera* lures during the next Survey Supply Ordering System open period (mid-January – late February).
- Expect an increase in *H. zea* by-catch for 2018. In some locations in 2017, almost no *H. zea* were caught in OWB traps. This is likely to change with the 2-component



pheromone, and the number of *H. zea* should increase to the same levels as 2016 and prior years.

- If you anticipate needing screening assistance because of the increase in *H. zea* non-targets that were not present during 2017 surveys, please contact Lisa Jackson. In addition, for Farm Bill surveys, please include your taxonomic needs in the Farm Bill Survey Summary Form.

Farm Bill

The process for approval and release of the 2018 Spending Plan is proceeding, and should go through APHIS to the USDA Undersecretary fairly soon. However, since this is the current administration's first time with the process, public release of the spending plan may take more time than in previous years. A mid- to late-January time frame is expected. Work plans cannot be accepted until a final spending plan is announced via the Stakeholder Registry, so please refrain from submitting 2018 Farm Bill work plans until then.

Goal 1 Survey Work Plans

Work plans for surveys under FY18 Farm Bill funding for Goal 1 Survey will be due 2 months after the public announcement of 2018 Farm Bill Spending Plan on the Stakeholder Registry. Goal 1 Survey had an early due date last year for work plans, and we want to keep that momentum. Specifying 2 months after the spending plan is released frees the program from any particular date, and 'codifies' when work plans are due for future years. With the large number of work plans in Goal 1 Survey, this also gives the program and agreements staff more time to process them in a timely manner. The overall goal is to have surveys occur in the calendar year for which funding is offered. Keeping administrative timelines short will help in this effort.

Purdue – CAPSIS Updates

The 2018 CAPS and PPQ [Survey Summary Forms](#) have closed. The information contained therein is now available through the [Survey Summaries](#) page on the CAPS Resource and Collaboration website. Closing the Survey Summary Forms also populates the state-specific information in the My Surveys Excel files. These are now available in NAPIS to facilitate data entry. Utilize the Change Request process if there is a need to change the information in the Survey Summary Form

Heather and Dan worked with the folks at Purdue to develop two new pages on the CAPS R&C website. These will improve navigation for the Approved Methods and to make it easier to find information for past years.

1. [Approved Methods for Pest Surveillance \(AMPS\) Menu Page](#): The [Approved Methods](#) link on the CAPS Resource and Collaboration website (accessible on the left hand side of the home page) will now take you to the AMPS Menu Page (see snip below). The menu facilitates survey planning by compiling AMPS lists from all years (see Approved Methods



list and Archive dropdown list) and a link to the new “[Search by CAPS target](#)” tool in one location (see below).

Approved Methods for Pest Surveillance (AMPS)

Approved Methods

[Approved Methods 2018](#)

[Approved Methods 2017](#)

[Approved Methods 2016](#)

or

[Search by CAPS target](#). Follow this link and use the search field to quickly find the approved methods for a specific pest across all years. You can search by scientific name (genus or species) or any part of the common name. This tool is useful for pests that are no longer included on the Priority Pest List and you are not sure which year the pest was removed. Each pest is associated with the AMPS page for the last year it was included on the Priority Pest List.

☐ Archive

Link to AMPS menu page: <http://caps.ceris.purdue.edu/approved-methods>.

2. [Approved Methods for CAPS targets search tool](#): The search tool enables you to find the approved methods for a specific pest across all years. This tool is useful when planning a bundled survey that includes pests that are no longer included on the Priority Pest List, especially if you are not sure which year the pest was removed. You can search by scientific name (genus or species) or any part of the common name. Each pest is associated with the AMPS page for the last year it was included on the Priority Pest List.

Approved Methods for CAPS Targets

Search for pest by scientific name (genus or species) or any part of the common name. Information is available for all current and former CAPS pests across all years.

Search:

Scientific Name	Common Name	Latest Year
<i>Acrolepiopsis assectella</i>	Leek moth	2013
<i>Adoxophyes orana</i>	Summer fruit Tortrix moth	2018
<i>Aeolesthes sarta</i>	City longhorned beetle	2016
<i>Agilus auroguttatus</i>	Goldspotted oak borer	2018
<i>Agilus biguttatus</i>	Oak splendour beetle	2018
<i>Agilus planipennis</i>	Emerald ash borer	2018
<i>Alectra vogelii</i>	Yellow witchweed	2018

Link to Search for AMPS by CAPS target: <http://caps.ceris.purdue.edu/approved-methods-targets>.



New Pests for Evaluation

A formal call will go out in January 2018 for the CAPS community to submit new pests for assessment and evaluation. The NCC should talk with their constituency about pests that may be on their radar that could be a candidate for the Priority Pest List. Even though we are short-handed right now with the vice-Lisa and Melinda positions in CPHST still vacant, we need to know what is on the horizon and the potential work involved in order to plan accordingly.

John, Lisa, Rick, Heather, and Dan welcome everyone to 2018, and hope everyone had safe and enjoyable holiday and new-year celebrations. We are excited and looking forward to working with you in 2018.

The next NCC call will be held on Thursday, February 1, 2018, at 1:00 pm eastern time.

Please forward to your NCC representative any agenda topics for discussion on the next NCC call.

Changes to the Old World Bollworm (*Helicoverpa armigera*) Lure

The Old World bollworm (OWB), *Helicoverpa armigera* (Hübner), is one of the most important agricultural pests in the world. Larvae are highly polyphagous and have been recorded feeding on more than 180 species of plants in 68 families including tomato, legumes and soybean, cotton, tobacco, corn and citrus. A native of the Old World, OWB was first detected in the Americas (Brazil) in 2013, and it has since spread to nearly all of South America and much of the Caribbean, including Puerto Rico. Three adults were captured in Florida in 2015, but OWB has not yet established anywhere in North America. This species is one of the highest priority pests for the USDA and domestic detection surveys are conducted annually in 25+ states as part of the CAPS program.

Traditionally, CAPS surveys have used a 2-component *H. armigera* pheromone blend. This pheromone has been demonstrated to be very effective, but it also attracts *H. zea*, often resulting in hundreds of non-target moths per trap. Separating *H. armigera* from *H. zea* requires a time-consuming genitalic dissection and/or molecular analysis, and thus there has been extensive research to develop a pheromone that attracts *H. armigera* but not *H. zea*. In 2012, a paper was published that identified a new component of the *H. armigera* pheromone. This new 3-component pheromone blend was supposed to increase attractiveness of male *H. armigera*. The new pheromone was tested in Puerto Rico in 2015, but the number of *H. armigera* trapped was low and largely inconclusive versus the old pheromone. However, the new 3-component



pheromone did not attract nearly as many *H. zea*, greatly reducing the number of non-target moths per trap. In late 2016 the decision was made to use the new 3-component pheromone for 2017 OWB surveys. This was the only pheromone provided to CAPS for the 2017 survey season, and many states reported a significant reduction in *H. zea* by-catch (almost zero in some locations), leading to concerns that the pheromone wasn't working as well as in prior years.

For the 2018 season we have decided to revert back to the 2-component *H. armigera* pheromone for CAPS surveys. The reason for this change is that we do not have any hard evidence that the 3-component pheromone attracts *H. armigera* at the same rates as the 2-component blend. Surveys in Puerto Rico after the initial discovery of *H. armigera* demonstrated that *H. armigera* can persist at very low levels, sometimes comprising less than 1% of the total *Helicoverpa* population. We have no evidence that *H. armigera* is currently present in the U.S., but we want to provide surveyors with the best tools that are capable of detecting an introduction of *H. armigera* as soon as possible. We will be conducting additional laboratory and overseas field trials to determine the efficiency of the 3-component pheromone, and, depending on the results, we may switch back to this pheromone blend in the future. However, for the 2018 season, the most conservative approach is to use the 2-component pheromone for *H. armigera* surveys.

What this means for you:

- For CAPS, Farm Bill, and PPQ surveys (orders placed through IPHIS), you will receive 2-component pheromone lures. PLEASE DISPOSE OF ANY OLDER LURES, this includes lures from 2017 and any prior years. The efficiency of lures degrades over time, and only new 2018 2-component lures should be used for OWB surveys.
- If you had planned on using 2017 lures that you had on hand for CAPS, Farm Bill, or PPQ Pest Detection surveys, **please place a new order** for *H. armigera* lures during the next Survey Supply Ordering System open period (mid-January – late February).
- Expect an increase in *H. zea* by-catch for 2018. In some locations in 2017, almost no *H. zea* were caught in OWB traps. This is likely to change with the 2-component pheromone, and the number of *H. zea* should increase to the same levels as 2016 and prior years.
- If you anticipate needing screening assistance because of the increase in *H. zea* non-targets that were not present during 2017 surveys, please contact Lisa Jackson (lisa.d.jackson@aphis.usda.gov). In addition, for Farm Bill surveys, please include your taxonomic needs in the Farm Bill Survey Summary Form.
- If your state or institution has a molecular laboratory that would be interested in becoming accredited to screen OWB trap samples using various molecular assays, please contact Todd Gilligan (todd.m.gilligan@aphis.usda.gov).

Prepared by Todd Gilligan (APHIS-PPQ-S&T) and Lisa Jackson (APHIS-PPQ-FO)
January 4, 2018