



**Lygus RAMP PI Meeting
Maricopa Agricultural Center
June 22 (10a) – June 23 (5p)**

Expected Participants: Peter Ellsworth, Al Fournier, Yves Carriere, Christa Eilers-Kirk, John Palumbo, Virginia Barkley, Bailey Stuart, Russ Tronstad, Steve Naranjo, James Hagler, Colin Brent, Dale Spurgeon, Rodney Cooper, Pete Goodell, Jay Rosenheim, Larry Godfrey, Megha Parajulee

Goal: We are more than mid-way through the RAMP grant, and this is our opportunity to connect together all the pieces that make up this large effort. We wish to take stock and assess where we are now, what challenges remain, and what impacts we may have. Everyone should have a clear understanding of where each project is and how it relates to other projects and to the overall success of the effort.

General Meeting Format: We need to be very efficient with our time, exchanging as much information as possible while leaving ample time for project development and discussion. We will start day 1 with presentations by Peter and Al providing a brief overview of RAMP themes, projects, connections and assessment. The first afternoon will be centered around reports and discussion divided into 4 subject areas (see below). For each subject area, we will start with a broadly focused presentation by one PI followed by individual informal oral progress reports from everyone. These oral reports should follow the general guidelines identified for the written reports we are requesting that you prepare for distribution to the whole group at the start of the meeting (see page 4). We have organized our RAMP projects into four subject areas (see below). The second day will be dedicated entirely to organized discussion around these four subject areas, ca. 2 hrs for each discussion. The entire meeting will be held in one plenary with additional rooms available for groups to gather as needed.

Subject Areas: Our RAMP is quite large. To facilitate presentation and discussion, we are organizing all of our meeting activities around four subject areas:

- Plant/Pest/Pesticide Interactions
- Individual Behavior & Local Movement
- Regional Ecology, Movement & Modeling
- Game Training Simulation for Grower Education

Logistics: Please let us know what your travel arrangements are. We will arrange transportation to and from the hotel and the Maricopa Agricultural Center both days. We will arrange for a catered lunch each day (Noon–1p). We can also help facilitate Monday evening’s dinner out arrangements.

AGENDA

Monday, June 22

- I. 10:00–11:00 The Lygus RAMP, Why are we doing this? Peter Ellsworth**
Peter will present a general orientation to the RAMP including some general information on project progress, modifications, and challenges that remain. This will also be an opportunity to discuss budget needs, potential extensions, and future efforts with respect to RAMP or other funding sources for Lygus studies.
- II. 11:00–Noon Project Evaluation and Impact Assessment. Al Fournier**
Al will cover the need to develop reports that emphasize results and outputs, review our internet and listserv resources, and review our commitments to outreach and measuring change in our stakeholder groups.
- III. Noon–1:00p Lunch**
- IV. 1:00p–2:00p Plant/Pest/Pesticide Interactions. Steve Naranjo**
There will be a 15–20 minute general presentation on our progress with respect to yield : damage relationships for various crops, and efficacy and non-target effects of Lygus insecticides. Attendees will then have an opportunity to present oral reports on their specific progress in this area.
- V. 2:00p–3:00p Individual Behavior & Local Movement. James Hagler**
There will be a 15 minute general presentation on the progress made in understanding Lygus biology, behavior, and local movement as inferred from mark/capture studies, etc. Colin Brent (USDA, non-RAMP member) will also give a short presentation on his findings regarding Lygus reproductive behavior & biology. Attendees will provide oral reports on their specific progress in this area.
- VI. 3:00p–4:00p Regional Ecology, Movement & Modeling. Yves Carriere**
Yves will give a 15–20 minute presentation on the status of the large 3-state regional ecology project. Attendees will report in with oral reports on their specific progress in this area.
- VII. 4:00p–5:00p Game Training Simulation. Peter Ellsworth**
Peter will present on the effort to develop a game training simulation for grower education with special emphasis on what gaps we need to fill before we can complete this objective and initiate trainings in the final year. Attendees will be asked to consider how information from their own RAMP projects may be applicable to this innovative outreach effort.

Tuesday, June 23

Day 2 Objective: For each subject area we will provide about 2 hours of discussion time. The goals in each subject area are: (1) to develop a clear understanding of our current progress in meeting RAMP objectives; (2) to discuss results and how they may relate to other RAMP components; (3) to identify unmet objectives and set goals for accomplishing them; (4) to identify expected outputs and applications of the research.

I. 8:00a–10:00a Plant/Pest/Pesticide Interactions.

Group discussion

10-minute break

II. 10:00a–12:00p Individual Behavior & Local Movement.

Group discussion

Lunch

III. 1:00p–3:00p Regional Ecology, Movement & Modeling.

Group discussion

IV. 3:00p–5:00p Game Training Simulation.

Group discussion

Other Helpful Information

Designated Hotel: Clarion Hotel, Phoenix Tech Center
5121 E. La Puente Ave. (I-10 & Elliot Rd.), Phoenix, AZ, 85044
Phone (480) 893-3900
For reservations, call Jessica McNeil, confirm rate of \$75.95 for UA mtg
Web: <http://www.clarionhotel.com/hotel-phoenix-arizona-AZ048?promo=yapicr>

Meeting Location: Maricopa Agricultural Center
37860 West Smith-Enke Rd., Maricopa, AZ 85238
520-381-2200

Transportation: The Clarion Tech Center offers 24-hour free shuttle from Phoenix Sky Harbor Airport. We will provide transportation to and from hotel and the Maricopa Ag Ctr.

Peter's cell phone: 480-363-7185

AI's cell phone: 520-705-9903

RAMP Written Summaries / Oral Reports

As noted above, discussions at the meeting will be focused around the 4 subject areas:

- (1) Plant/Pest/Pesticide interactions
- (2) Individual Behavior & Local Movement
- (3) Regional Ecology, Movement & Modeling
- (4) Game Training Simulation

These subject areas roughly correspond to the RAMP project matrix as follows: (1) = Sections I & II of matrix; (2) = Section III of matrix, first half; (3) = Section III of matrix, second half; (4) = last project listed on the second to last page in Section IV of matrix (Ellsworth Corbett, Goodell, Rosenheim & Carriere).

We are asking all meeting participants to *prepare a single written summary of their work in each applicable focus area*. Each summary should be about one page and briefly address the following questions:

- What is the current status of the project?
- Summarize your key findings to this point (preliminary data is okay).
- How will the information from this study be useful to other RAMP PIs or other components of the RAMP project?
- Specifically, how might the results contribute to the RAMP gaming simulation?
- How will information from this study be useful to growers or other target audiences in the public (i.e., what is the anticipated application for the findings)?
- What are the existing and anticipated outputs of this work (presentations, papers, extension publications, newsletters, websites, new grants or projects, etc.)?
- Explain any modifications to the project including any setbacks or barriers to completion of the original objectives specified in the grant.

We will compile these summaries and distribute them at the meeting. PIs will also be asked to verbally share key points from their summaries during the appropriate focus area discussion. Prior preparation will ensure that we all make the best use of our time.