

PESP
Pesticide Environment
Stewardship Program
2009

Doug Wassmer, Chairman – AMCA's PESP Subcommittee

A Brief PESP History

- 1992: National IPM Forum identifies a lack of a national commitment to environmental stewardship.
- 1993: USDA, EPA, & FDA pledge to have 75% of U.S. Agriculture under IPM by year 2000.
- 1993: USDA, EPA, FDA also pledge to work with commodity groups to reduce the use of pesticides.

1994

- December 1994 - The EPA, with USDA & FDA, establish PESP as a voluntary public/private partnership to reduce pesticide risk.
 - EPA introduces its first six *PESP Partners* whose primary focus is pesticide risk reduction via Integrated Pest Management (IPM) as practiced in agriculture & structural pest control
- A *Supporter* category is added allowing organizations that train, educate, or influence pesticide users to participate in the PESP.

Our Mosquito Industry is Unique

- We practice Integrated Mosquito Management (IMM) which consists of:
 - Integrated Pest (Mosquito) Management (IPM)
 - Integrated Vector (Mosquito) Management (IVM)
 - Integrated management of isolated (from humans & livestock) mosquitoes, which can be pest or vectors, usually by allowing them to continue functioning in our ecosystems as secondary producers, pollinators, etc.
- The PESP was approaching its 1st anniversary before someone who understood our industry practices knocked on our door promoting the new EPA program.

1995

- That someone was Bob Rose, who in the early 1980's, had led a team of seven PhD's (including Collier MCD's Frank Van Essen) that had introduced *Bti* larvicides to US mosquito management agencies.
- Fall 1995 - Bob Rose contacts AMCA Environmental Protection Committee (EPC) member Doug Wassmer about the new EPA program. PESP information is passed to Chairman Doug Carlson
- December - Carlson, Wassmer & Rose craft a written proposal which encourages the AMCA to become a PESP Partner.

“The Pesticide Environmental Stewardship Program: considering an opportunity to demonstrate the AMCA’s commitment to sound environmental management”

Douglas B. Carlson

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and

Robert I. Rose, Ph.D.

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Washington, DC 20460
703-308-8676***

Some of the information used in this article was derived from a brochure produced by the EPA concerning PESP. . . .

1996

- January – AMCA EPC Chairman Doug Carlson presents the letter and discusses the idea with the AMCA Board at their Interim Meeting. The AMCA Board tentatively approves, and asks the EPC to produce an application. .
- March – The AMCA EPC meets in Norfolk, VA and sets guidelines for the application process.
- May – The AMCA submits a PESP Partnership application signed by EPC Chairman Doug Carlson & AMCA President Robert Novak

1996

- June – The EPA, which had been developing the PESP “on the fly”, requests the submission of a “Strategy Document” to accompany the application.
 - Strategy Documents contain a description of annual plans to reduce pesticide risk and how the reduction will be measured.
- December – The AMCA’s EPC submits a PESP Strategy Document to the AMCA Board at the Interim Meeting. The document is approved and Doug Carlson sends it to the EPA.

1997

- February 24, 1997 – The EPA accepts the revised application and the AMCA becomes a PESP Partner.
 - Doug Carlson immediately begins promoting the idea that AMCA regional organizations be allowed to become “PESP Partners under the AMCA’s auspices”
 - PESP Grants become available for AMCA Members to conduct research aimed at reducing pesticide risk
- March – The AMCA Board approves the idea of Regional Partners & the EPC is reorganized as the “PESP Working Group”, a subcommittee of the AMCA Legislative & Regulatory Committee

1997

- 1997 – November - The Florida Mosquito Control Association (FMCA), the Mosquito & Vector Control Association of California (MVCAC), and the New Jersey Mosquito Control Association (NJMCA) submit their Partnership applications to the PESP Working Group for approval.
- 1997 – December – Doug Carlson submits the AMCA's first PESP Partner report to the EPA
- 1997 – December – The PESP Working Group, after a quick review, submits 2 grant proposals: a Mosquito Game (Jim McNelly) & a GIS Study (Jim Camy)



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Classification: Activity 2
Journal: Induct's Lab
Journal: Induct's Questions
Duke: Bones, Lab
Vertebrae: Lab Questions
Strange: Notes
Mollusk: Notes
Invertebrate: Vocabulary Sheet
Clam: Lab Questions
Clam: Lab Sheets
Clam: Diagram

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Dimensional: Spinc. Elec. Lab
Drawing: Circuits
Ohm's Law / Ohm's Law HW
Compass: Lab
Conductors: Insulators: Lab
Resistance: Effect Magnets
Magnets: Foldable
Ward Search
Reading: Camp: Sheets on magnets
Vander: Electromagnets Lab 7's
Winding: Electromagnets: Data Graph



1998

- January –PESP Partner applications are submitted to the PESP Working group for review, revisions, etc.
- March – The AMCA Board approves Florida, California & New Jersey as PESP Partners under its auspices.
- March - Doug Carlson receives an AMCA Presidential Citation for his PESP leadership.
- November – North Carolina Mosquito Control Association submits an application for Partnership.
- December – Two grant proposals are submitted: Trapping (Ron Nunez) & continuation of the GIS Study (Jim Camy).

AMERICAN MOSQUITO CONTROL ASSOCIATION

WHEREAS, THE FLORIDA MOSQUITO CONTROL ASSOCIATION DID DEMONSTRATE A WILLINGNESS TO ACTIVELY PARTICIPATE IN THE PESP PROGRAM AS A “PARTNER UNDER THE AMCA’S AUSPICES”, HAS THE GOAL OF REDUCING PESTICIDE RISK, AND DID SUBMIT A PESP MEMBERSHIP APPLICATION AND 1997 STRATEGY DOCUMENT SUPPORTING THE AMCA’S STRATEGY

WHEREAS, THE AMCA PESP WORKING GROUP DID REVIEW THE SUBMITTED DOCUMENTS AND DID UNANIMOUSLY APPROVE THE DISTRICT’S APPLICATION TO BECOME A “PESP PARTNER UNDER THE AMCA’S AUSPICES” AT THE 1998 ANNUAL AMCA MEETING

NOW THEREFORE BE IT PROCLAIMED, BY THE OFFICERS AND BOARD OF DIRECTORS OF THE AMERICAN MOSQUITO CONTROL ASSOCIATION, THAT

**THE FLORIDA MOSQUITO CONTROL ASSOCIATION
IS HEREBY RECOGNIZED AS A
“PESTICIDE ENVIRONMENTAL STEWARDSHIP
PROGRAM PARTNER
UNDER THE AMCA’S AUSPICES”
FOR THE YEAR
1998**



Joseph F. Sanzone

Joseph F. Sanzone

PROCLAIMED THIS
26TH DAY OF
FEBRUARY

2006.

Sarah B. Gazi

Sarah B. Gazi, Business Manager



1999

- January - The Louisiana Mosquito Control submits an application for Partnership.
- March – The AMCA Board approves the North Carolina & Louisiana applications for PESP Partnership under the AMCA’s auspices.
- May – The EPA revamps the PESP Partner evaluation process and requests that existing Partners resubmit an application for Partnership with a revised strategy and a new background information summary.

1999

- July – Doug Carlson submits the revised application with new documents to the EPA as required. We include 4 measurable strategic activities for 2000: Source Reduction, GPS Use in Aircraft to Target Application Sites, Education of Mosquito Control Workers, and Public Education.
- November – Doug Carlson attends the National PESP Meeting in Washington, DC and accepts, on behalf of the AMCA, their “*Excellence Award for Pesticide Risk Reduction*”.
- December – Three grant proposals are submitted: Optimizing Ground Sprays (Jim Brown & Harold Thistle), Mosquito Trapping (Max Meisch & Dan Kline), Teaching Manual (Jim McNelly & Wayne Crans)



2000

- June – Doug Carlson recommends dropping “GIS in Aircraft and replacing it with Disease Surveillance as a 2000-2001 Activity.”
- July – The PESP Working Group adopts the change and the Strategy Document is prepared & submitted.
- August – The Northwest Mosquito & Vector Control Association (NWMVCA) submits an application to become a PESP Partner under the AMCA’s auspices.
- September – The AMCA Board approves the NWMVCA application at the Interim Board Meeting.

2001

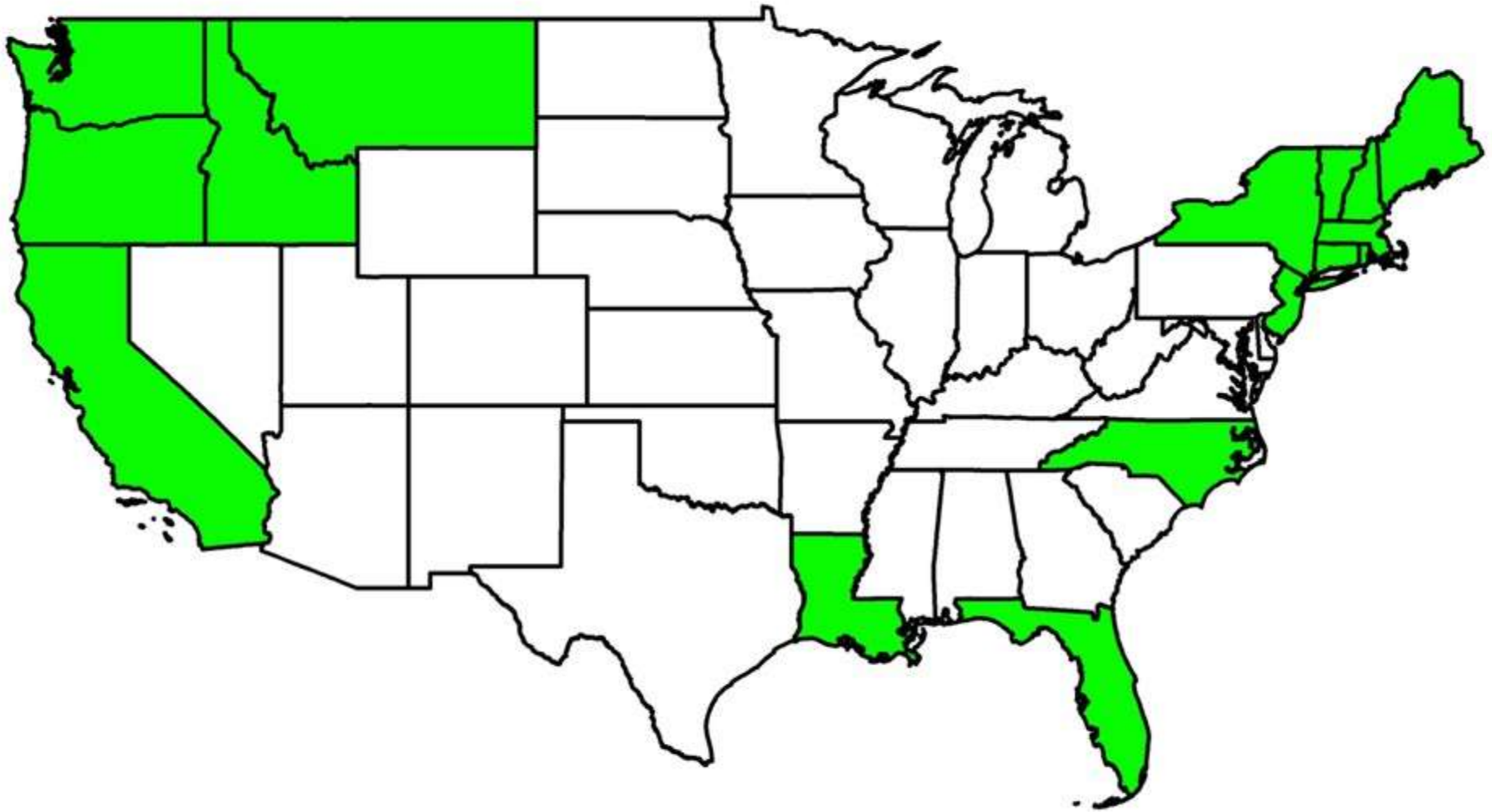
- Spring – EPA Liaison Bob Rose retires & is replaced by Mike Hennessy who after 3 months, transfers to the USDA.
- Summer - Kevin Sweeny is appointed as the EPA's Liaison to the AMCA. Kevin has prior exposure to mosquito management.
- Fall - The AMCA's Annual PESP Report due date is changed from August to February to accommodate mosquito control agencies who are busy during summers. The report will cover the 18-month period of July 2000 to December 2001.
- December - Doug Carlson steps down as the PESP Working Group Chairman and Peter DeChant assumes responsibilities

2002

- January – The Northeast Mosquito Control Association applies for status as a PESP Partner under the AMCA's auspices.
- February – Peter DeChant circulates the application to the Working Group for review, comment, and any requests for corrections
- March – The Board approves the application at the annual AMCA Meeting.

AMCA's PESP Partners - Spring 2002

Mosquito Control Associations (in green) that are PESP Partners



2002

- July - The EPA sends a letter to the PESP Working Group which states: **"You are to be congratulated on your excellent progress as measured in acreage included in source reduction programs, numbers of workers trained and certified, and in your public education efforts. Measurable results are important in demonstrating the value and effectiveness of the PESP partnership effort. AMCA's leadership role in documenting this progress is greatly appreciated.** As further data are gathered on the success of the source reduction program, we would be interested in highlighting that effort in one of our upcoming PESP Updates. Your PESP Liaison, Kevin Sweeny, will contact you about writing an article."

2003

- February – Peter DeChant reports to the AMCA Board that the PESP grants have been opened up to all applicants regardless of PESP status, and it will no longer be necessary for the AMCA to serve as a sponsor & monitor the status of PESP grant projects.
- October -The AMCA notes the growing administrative costs of the PESP, and asks for a review and Working Group recommendations. The group allays any fears of cost overruns from the program.
- October – The AMCA is 1 of 16 organizations nationwide who receives recognition as a “PESP Champion” for its work in reducing pesticide risk.

Certificate of Achievement



Presented to

**American Mosquito Control
Association**



for
Demonstrating Outstanding Efforts
Towards Risk Reduction
and

Recognized As A
2003 PESP Champion



Janet L. Andersen, Ph.D.
Director, Biopesticides and Pollution Prevention Division
Office of Pesticide Programs
US Environmental Protection Agency

EPA PESP 1994 - 2003

- By 2004, membership in the EPA's PESP increased from six charter members to 150 members.
- These first ten years were characterized by rapid growth, experimentation, and innovation in which PESP evolved into a mature and established federal program.
- PESP is the EPA's premier program dedicated to voluntary, partnerships for reducing pesticide risk, as well as the first such program at EPA.
- The Structural Pest Control group is its largest partner, the American Mosquito Control group is its 2nd largest Partner

2004

- February - PESP Working Group meets to approve a 2004 strategy and to consider allowing individual mosquito agencies to become PESP Partners
- March – Peter DeChant submits the AMCA’s 2003 PESP Activity report & 2004 Strategy to the EPA
- March – Doug Wassmer prepares a questionnaire for the AMCA trade magazine Wing Beats which seeks to determine if there is any interest in local mosquito agencies becoming Individual PESP Partners.

2005

- February - Peter DeChant steps down. Doug Wassmer & Jim Lunders agree to co-chair the PESP Working Group
- February – Doug Wassmer reports on the interest of local agency participation in PESP and the AMCA Board votes to allow Individual Partnerships under the AMCA’s auspices.
- February – Doug Wassmer informs EPA’s Kevin Sweeney of the Board vote and secures permission to send in Annual Reports to the EPA after the AMCA Annual Meetings.
- May – Doug Wassmer submits the 2004 Annual Report containing the 2005 Strategy Document in early May.

2005

- October – Indian River Mosquito Control District, FL (IRMCD) submits an application to become an Individual Partner under the AMCA’s auspices.
- November – Pasco County Mosquito Control District, FL & Teton Mosquito Abatement (Wyoming) use the IRMCD application as a “template” to prepare and submit their own applications
- December – The PESP Working Group reviews and approves the applications

2006

- February – Jim Lunders steps down as Co-Chairman.
- February –PESP Working Group proposes limiting Individual Partnerships to AMCA Sustaining Members & approves the Indian River MCD, Pasco County MCD & Teton Mosquito Abatement applications.
- March – The AMCA Board accepts the Working Group recommendation to only allow Sustaining Members to become Individual Partners, approves the three applications, and tasks the group to provide both Initial & Continuing PESP Membership Certificates.

AMERICAN MOSQUITO CONTROL ASSOCIATION

WHEREAS, THE PASCO COUNTY MOSQUITO CONTROL DISTRICT, ODESSA, FLORIDA DID DEMONSTRATE A WILLINGNESS TO ACTIVELY PARTICIPATE IN THE PESP PROGRAM AS A “PARTNER UNDER THE AMCA’S AUSPICES”, HAS THE GOAL OF REDUCING PESTICIDE RISK, AND DID SUBMIT A PESP MEMBERSHIP APPLICATION AND 2006 STRATEGY DOCUMENT SUPPORTING THE AMCA’S STRATEGY

WHEREAS, THE AMCA PESP WORKING GROUP DID REVIEW THE SUBMITTED DOCUMENTS AND DID UNANIMOUSLY APPROVE THE DISTRICT’S APPLICATION TO BECOME A “PESP PARTNER UNDER THE AMCA’S AUSPICES” AT THE 2006 ANNUAL AMCA MEETING

NOW THEREFORE BE IT PROCLAIMED, BY THE OFFICERS AND BOARD OF DIRECTORS OF THE AMERICAN MOSQUITO CONTROL ASSOCIATION, THAT

**THE PASCO COUNTY
MOSQUITO CONTROL DISTRICT
IS HEREBY RECOGNIZED AS A
“PESTICIDE ENVIRONMENTAL STEWARDSHIP PROGRAM
PARTNER
UNDER THE AMCA’S AUSPICES”
FOR THE YEAR
2006**



William Opp, President

PROCLAIMED THIS
26TH DAY OF
FEBRUARY 2006.

Sarah B. Gazi, Business Manager



AMERICAN MOSQUITO CONTROL ASSOCIATION

WHEREAS, THE FLORIDA MOSQUITO CONTROL ASSOCIATION DOES ACTIVELY PARTICIPATE IN THE PESP PROGRAM AS A “PARTNER UNDER THE AMCA’S AUSPICES”, AND HAS ACTIVELY PARTICIPATED AS A PARTNER SINCE 1997

WHEREAS, THE FLORIDA MOSQUITO CONTROL ASSOCIATION DID SUBMIT THE REQUIRED 2006 PESP STRATEGY DOCUMENT DESCRIBING ITS PESP ACTIVITIES IN SUPPORT OF THE AMCA’S PESP STRATEGY

NOW THEREFORE BE IT PROCLAIMED, BY THE OFFICERS AND BOARD OF DIRECTORS OF THE AMERICAN MOSQUITO CONTROL ASSOCIATION, THAT

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PROGRAM PARTNER
UNDER THE AMCA’S AUSPICES”
FOR THE YEAR
2006**



Joseph F. Sanzone

Joseph F. Sanzone, President

PROCLAIMED THIS
26TH DAY OF
FEBRUARY
2006.

Sarah B. Gazi

Sarah B. Gazi, Executive Director



2006

- April – The EPA provides an electronic (web-based) strategy submission form for PESP Partners
- Summer – The EPA provides PESP Strategy guidance suggesting that Partners look at long term strategies to reduce pesticide risk
- September – The EPA provides the AMCA with copies of it's PESP logo that may be used by Partners on their educational material after EPA's review & approval.

PESP Logo

“ Its use is restricted to materials whose principal aim is public education”. “Pending EPA approval, you could use the PESP logo on brochures and other outreach materials” Ed Brandt, EPA, September 2006



2007

- March – PESP Working Group finishes preparation of the 2006 Annual Report & 2007 Strategy which are approved by the AMCA Board.
- May – Central Massachusetts Mosquito Control Project submits an application to become an Individual Partner under the AMCA's auspices.
- May – Cape Cod Mosquito Control Project submits an application to become an Individual PESP Partner under the AMCA's auspices.

2007

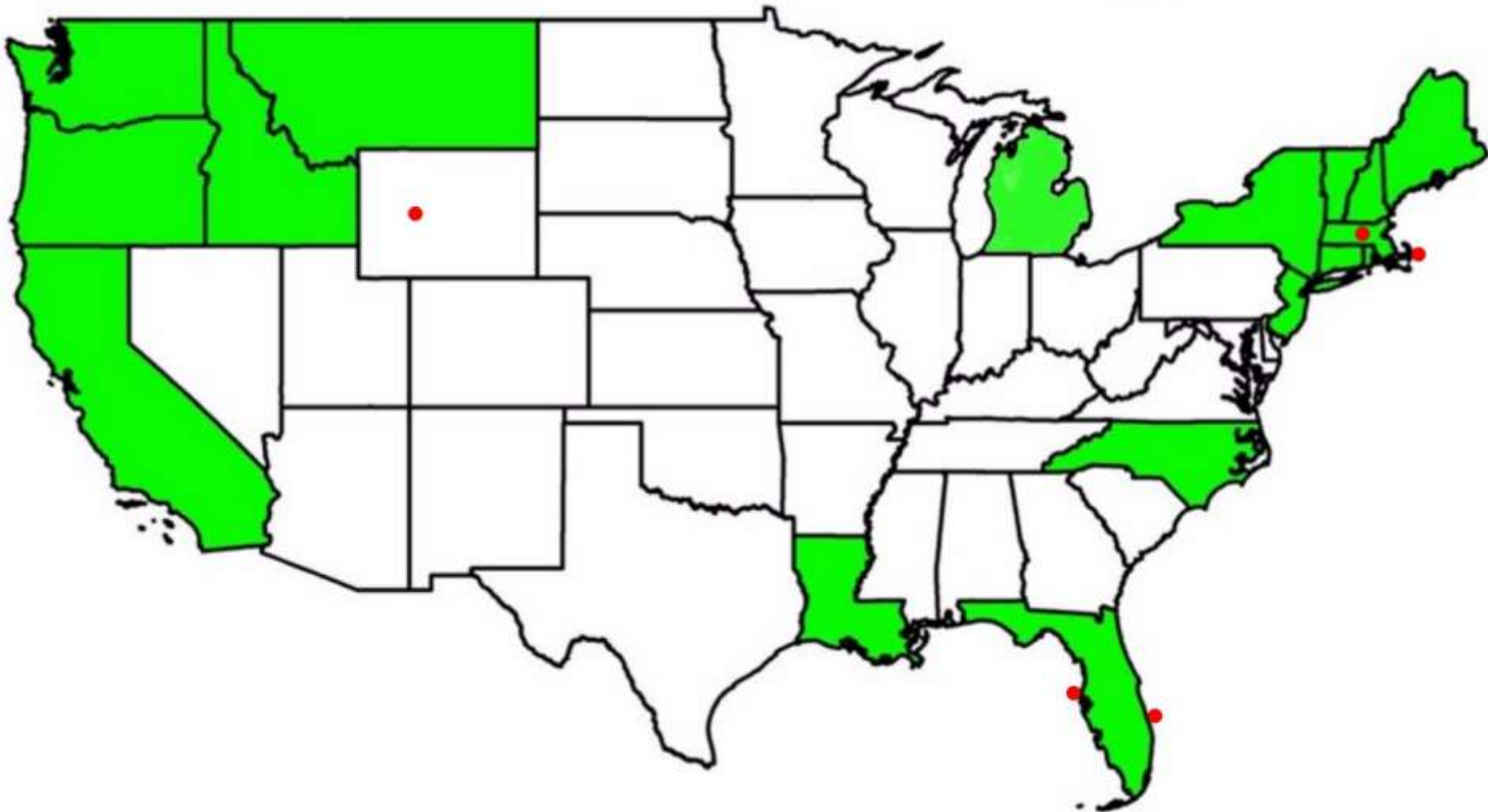
- June – The EPA provides additional PESP guidance & indicates that a single strategy only has a 5-year time frame in which it is considered current.
 - This represents a fundamental shift in a Partner's Strategy to reduce pesticide risk
 - The long-term strategy needs to be in place by December 2007 using either a strategy that had been in place since 2003 with revisions or a new strategy.
 - The Working Group & AMCA Board decide to extend current strategies.
- October – At the Interim Meeting, the AMCA Board of Directors unanimously approves the two Massachusetts applications for Individual PESP Partnerships under the AMCA's auspices.

2008

- January – The Michigan Mosquito Control Association submits an application to become a PESP Partner under the AMCA’s auspices. The PESP Working Group reviews the applications and recommends acceptance.
- March – The AMCA Board of Directors approves the Michigan Mosquito Control Association application
- May – The 2007 Activity Report and the 2008 Strategy Report are submitted to the EPA
- November – Sara Gazi & Doug Wassmer prepare a web-based activity report spreadsheet on “SurveyMonkey.com”

AMCA's PESP Partners Spring 2009

AMCA PESP Regional Partners (Green) & Individual Partners (Red Dots)



2009

- March – The annual PESP Working Group meeting was held as a phone conference arranged by Sarah Gazi. Members approved the Annual Report by voice vote
- March – The 2008 Strategy & the 2007 Activity Report, a spreadsheet with an Executive Summary, are submitted to the EPA as the 2007 Activity Report
- November 16, 17, 18 – The National PESP Meeting will be attended. The EPA is again revising the PESP Program, and will provide detailed guidance on Strategy Selection, Measurement & Reporting.
- December – Sara Gazi will again have ready a web-based activity report spreadsheet on “SurveyMonkey.com”

2009

- The AMCA needs your help.
- In the past, the PESP Partner recruitment has been low key
- Karl-Malamud Roam, our AMCA Legislative & Regulatory Committee Chairman , suggests that more aggressive recruitment and participation in the PESP Program may help us resolve the NPDES Permit controversy in our favor.
- Joe Conlon, our AMCA Technical Advisor and a Jacksonville resident, concurs and says that “our long record of exemplary PESP participation gives the AMCA environmental street credits” with the EPA and other regulatory agencies.

AMCA PESP Partnership Requirements

- The AMCA regional partnership program was designed as way to the meet goals and objectives of the AMCA as outlined in its PESP Strategy Document.
- The partners designate a PESP contact person and may designate a member to sit on the PESP Working Group.
- The partners submit their own background document.
- The partners commit to participate in the strategies & activities adopted by the AMCA
- The partners provide annual progress reports on their to the AMCA PESP Working Group.

2009 Strategic Activities for Pesticide Risk Reduction

- Document source reduction projects and agreements with public land managers
- Document disease surveillance – sentinels, dead birds, etc.
- Document training given to mosquito control workers
- Each of these measurable activities leads to reductions in pesticide risk by promoting wiser use of products.
- The AMCA's PESP has never focused on reducing pesticide use
- We focus on the proper use of pesticides.

AMCA PESP Partnership Benefits

- An EPA official is assigned as our liaison (currently Kevin Sweeny) for pesticide issues.
- Certificates indicating partnership status may be proudly displayed – initial & continuing certificates.
- The EPA's PESP logo may be used on educational material after EPA's approval.
- Partners may pat themselves on the back for their pesticide risk reduction efforts and their forward-thinking attitude about the world in which we live.

PESP Partner Applications

- Nothing formal, but may change soon with new EPA Guidance. Use previous applications as templates.
- Contact
 - Doug Wassmer, 727-376-4568
dwassmer@pascomosquito.org
 - Doug Carlson, 772-562-2393
doug.carlson@irmosquito2.org

