

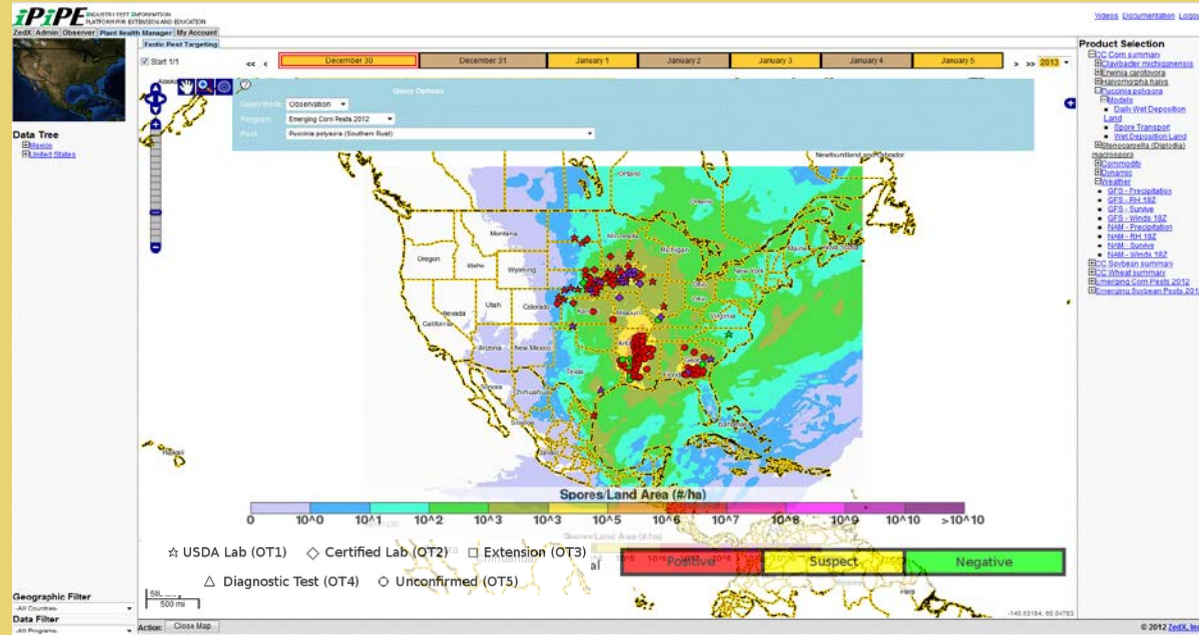


INTEGRATED PEST INFORMATION PLATFORM FOR EXTENSION AND EDUCATION

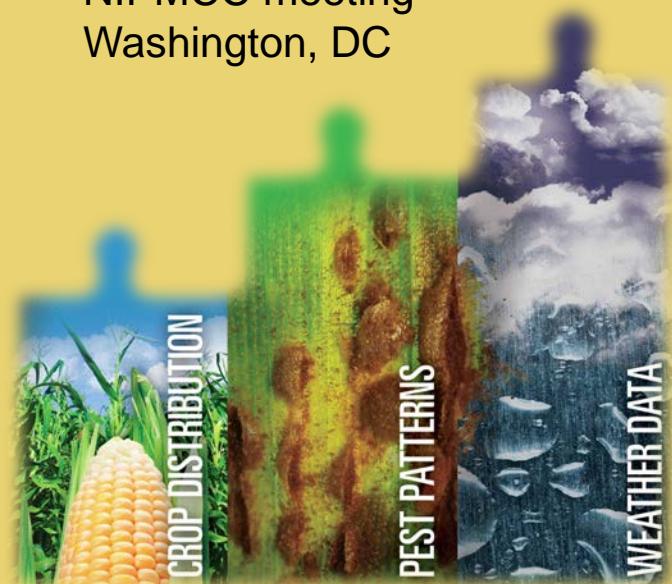


Integrated Pest Information Platform for Extension and Education (iPiPE) Collaborative Agricultural Project

Scott Isard
October 18, 2016
NIPMCC meeting
Washington, DC



A USDA NIFA AFRI Food Security Challenge Area CAP (\$ 7 million for 2015-2019)





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Mission

Change the culture in American agriculture to one of sharing pest observations and derivative information for the benefit of all stakeholders.



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Goals

- Contribute to our nation's infrastructure for food security;
- Build local and regional capacity to respond to food security problems involving crop pests;
- Reduce adverse environmental effects from pest management practices; and
- Enhance farm profitability.



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iPiPE CAP Objectives/Activities

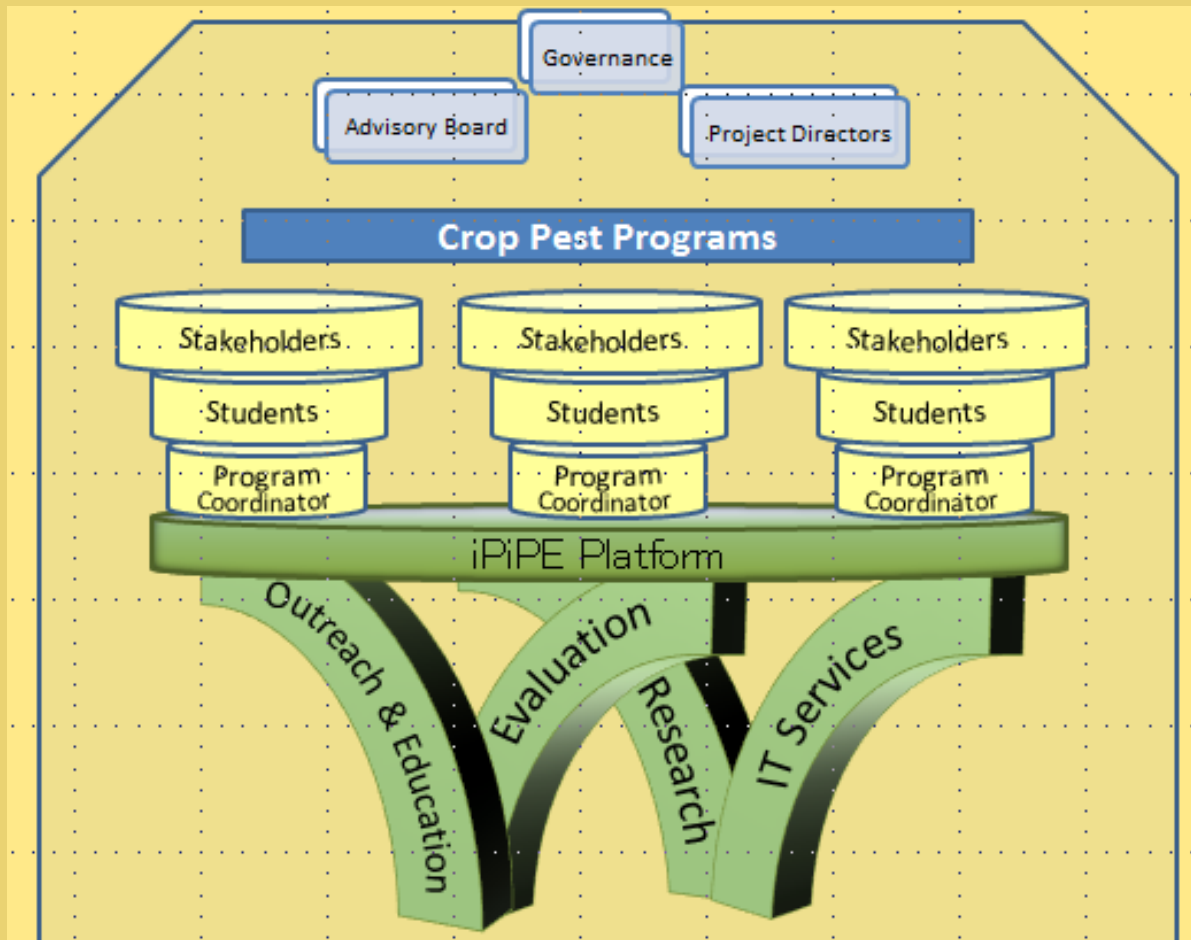
- (i) Engage Extension professionals to train, facilitate, and encourage crop consultants and growers to submit pest observations;
- (ii) Recruit and mentor undergraduate student interns;
- (iii) Build a national network of similar IT platforms to create an infrastructure for sharing pest observations and information products;
- (iv) Conduct research to quantify threat from pests;
- (v) Transfer iPiPE databases to national pest observation repository to facilitate pest-related research in the future; and
- (vi) Measure the impact of the iPiPE activities on iPiPE stakeholder use of IPM practices.



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iPiPE Organization



- Collaboration between:
- University Extension programs
 - Regional IPM Centers
 - Private companies
 - Grower organizations
 - Government agencies



iPiPE Participants and Crop-Pest Programs

**Attendees & Student Award Winners at the 2016 iPiPE Participant Mixer (iPMx)
Feb 2016 Raleigh, NC**



Location of iPiPE Crop-Pest Programs



Crop-Pest Programs

- Alfalfa - CA
- Apples - MA
- Citrus - FL
- Corn - KY
- Cotton - TN, CA
- Hops - PA
- Peanuts - VA
- Small fruits - RI
- Sorghum - TX
- Soybean - IA, MO
- Stone fruits - OR
- Sunflower - ND
- Sweet corn - PA
- Tomatoes/beans - FL
- Tree fruits - UT, WV
- Wheat - MT
- Vegetables - NY, UT



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IPM Elements


- Innovation introduced in 1980 for cotton IPM: How much IPM are you doing? *NRCS/Cornell-Wegmans/UMass Partners with Nature*
- Summary of IPM practices for a crop/region, often prioritized, assigned point values.
- Developed collaboratively with experts including producers.
- Incentives/recognition/eco labels often include minimum required elements, minimum score.

Information provided by Tom Green



Welcome, PSU

Log out

 (Expand all sections)

 **A Soil Management and Plant Nutrition**

66.3 / 75

 **B Pest Prevention**


5 / 10

 **C Avoidance**

67.5 / 110

 **D Monitoring**

67.5 / 85

 **E Suppression**

265 / 280

Generate printable report

TOTAL 470 / 560

This survey's score

84%

Rectangular Snip

Average for all

6%

IPM Elements can be used by growers and consultants to:

- Identify additional IPM and other conservation practices appropriate for crops in a growing region.
- Self-assessment tool to measure how many of the available practices are in use on a farm or field.
- To document the extent of IPM adoption to buyers or for NRCS incentive programs.



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Stakeholder Focus Groups

- Extension professionals
- RI blueberry growers – small farms
- IA soybean growers and consultants – large operations

What We Learned from Stakeholders: iPiPE

- Positive reception
 - Some stakeholders indicated that they would contribute observations.
 - Many indicated that they would benefit if the information is accurate, unbiased, timely and actionable.

Information provided by Tom Green





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What We Learned from Stakeholders: IPM Elements

- LGUs valued source of unbiased information.
 - Primary source may be input industry, LGU when questions arise.
- Accommodate variety users: Level of sophistication, operation size, education/market needs.
- Mobile-friendly, time-efficient, hyperlinks, confidential.
- Keep it simple. Focus on key, impactful practices.
 - *Make more detail available for interested.*
 - *Make help available to evaluate potential for/guide improvement.*
- Economic benefit important.
 - *Make credible, verified recognition available, pass/fail certificate option.*
 - *Complement, don't duplicate existing/developing programs.*
- Grower group 'ownership' may be essential.
 - *Make Elements go-to source for quick links to latest info.*

Information provided by Tom Green



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National IPM Coordinating Committee (NIPMCC)

October 18-19, 2016
APLU (1307 New York Ave NW)
First Floor – Large Conference Room

2016 Meeting Goals:

- 1. Define & Document components of the “New IPM”**
- 2. Network across institutions, state and federal agencies and private sector/NGOs**
- 3. Understand and build new IPM opportunities and collaborations**