Delivering on a Promise....
Then What?

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IPM’s Roots

IPM philosophy largely began as a concern amongst a handful of predominantly U.S. researchers in the 1950s and 1960s concerning agriculture's growing reliance on pesticide-based pest control because of pesticide resistance and environmental contamination.
IPM’s Roots

The scope of IPM expanded:
Integrated control - biocontrol + chemicals
Economic (damage) thresholds - risk assessment
Multiple pests - (not just insects)
Institutionalizing IPM in the 1970s

"Integrated pest management is an approach that employs a combination of techniques to control the wide variety of potential pests that may threaten crops."

Council on Environmental Quality, 1972

IPM mentioned in the environmental messages of
Nixon, 1973
Carter, 1979
IPM Comes of Age - last 30 years

Growth and acceptance of IPM:
New science
New applications
New stakeholders in urban and resource communities
New partners
New regulations
International focus
Promise:

“IPM is a long-standing, science-based, decision-making process that identifies and reduces risks from pests and pest management related strategies. It coordinates the use of pest biology, environmental information, and available technology to prevent unacceptable levels of pest damage by the most economical means, while posing the least possible risk to people, property, resources, and the environment. IPM provides an effective strategy for managing pests in all arenas from developed residential and public areas to wild lands.”

(from the IPM Roadmap, May 17, 2004)
IPM Promise(s):  *Are we delivering?*

- **Identifies and reduces risks** from pests and pest management (risk assessment, reduced risk approaches?)
- **Coordinates** the use of pest biology, environmental information, and available technology (systems approach, multiple tactics?)
- Prevents unacceptable levels of pest damage by the most economical means, while posing the least possible risk to people, property, resources, and the environment (consider economics, health, environment?)
- Effective strategy for managing pests in all arenas (agriculture, urban, natural resource?)
5th National IPM Symposium
St. Louis - April 4-6, 2006

Delivering on a Promise?
Participants seem to think so!

Minisymposia - 22
Workshops - 36
Roundtables - 7
Posters - 200+
Targeting Research for IPM Implementation

Organized by the National IPM Coordinating Committee with support from USDA-CSRS to provide an opportunity for scientists from all parts of the nation and diverse disciplines to meet and discuss common interests in IPM as well as create a new awareness and publicity for it.
National IPM Symposium/Workshop
Las Vegas - April 25-28, 1989

‘Thrust’ Symposia
Integration of Biological Control in IPM
Ecological Basis for Weed Biology in IPM
Integration of Cultural Practices in IPM
Managing Resistance to Defense Mechanisms in Crops
Managing Resistance to Pesticides in IPM Systems
Threshold Use and Sampling Procedures
Environmental Concerns and Regulations that Affect Pesticide Use
Movement and Dispersal of Biotic Agents
The Changing Role of Simulation Modeling in IPM

Commodity Workshops
11 covering crops, livestock, rangeland, forestry and urban IPM
National IPM Symposium/Workshop
Las Vegas - April 25-28, 1989

“The large attendance (500+ persons) suggests that IPM is alive and healthy even though undernourished. It also suggests that such meetings are needed in the future, although probably not every year.”

Affiliations:

Academic/Research -
  Teaching 156
  Research 347
  Extension 164

Administration -
  Acad./Govt. 87
  Consulting 2
National IPM Forum
Arlington, VA - June 17-19, 1992

A National Commitment to IPM

Sponsored by USDA and EPA, the prime objective was to create a forum where scientists engaged in IPM research could mingle with public policy makers, university and federal agency administrators, and others in decision-making positions.

- Focus on ‘biointensive IPM”
- Identified constraints to IPM adoption
- EPA Regional Producer Workshops

Followed by Clinton Administration’s - National IPM Goal
Second National IPM Symposium/Workshop
Las Vegas - April 19-22, 1994

IPM Programs for the 21st Century: Food Safety and Environmental Stewardship

Organized by National IPM Committee to explore the future of IPM and its role in reducing environmental problems, ensuring a safe, healthy, plentiful food supply, and assisting with a sustainable agriculture.
Second National IPM Symposium/Workshop  
Las Vegas - April 19-22, 1994  

Workshops on 22 topic areas and >200 posters

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Cotton/Peanut/Tobacco IPM
Forests IPM
“The tone and content of many of the discussions and posters were remarkably similar to what would be expected at a national sustainable agriculture symposium. Indeed, on numerous occasions reference was made to IPM strategies that are environmentally, economically and socially acceptable.”

- David Schlegel, Regional Co-Coordinator USDA-SARE
Third National IPM Symposium/Workshop
Washington, DC - Feb. 27-March 1, 1996

- Putting Customers First
- Assessing IPM Program Impacts

Include ‘customers’ - public and private landscape managers, producers, consumers, consultants, agribusiness, environmental groups
Third National IPM Symposium/Workshop
Washington, DC - Feb. 27-March 1, 1996

• Putting Customers First
• Assessing IPM Program Impacts

Better integration of social, environmental and health scientists into IPM Program design and evaluation.

Focus on the National IPM Goal - How to evaluate 75% IPM adoption
Building Alliances for the Future of IPM

- Intended to be broadly participatory to actively engage all IPM stakeholders.
- Open call for symposia - all oral presentations invited by symposia/workshop organizers.
- Interactive poster session (building on the success of the Second IPM Symposium)
Fourth National IPM Symposium/Workshop
Indianapolis - April 8-10, 2003

Over 60 "breakout" sessions (workshops, debates, and presentations) encompassing almost all aspects of IPM.

Attendance:
More than 700 research, education, government, industry, and environmental and health advocacy professionals, representing 17 countries

Also:
Broad sponsorship including a number of Federal agencies and private partners.
Delivering on a Promise

• Continued the theme of broad participation of all IPM stakeholders that began with the Fourth IPM Symposium
• Expanded leadership - Co-Chair Tom Green, and a Steering Committee comprised of private sector, international members, numerous federal agencies, and universities.
IPM Symposium goals - a summary

(1989) Interactions among pest management disciplines
(1992) Forum - interactions of IPM community with policymakers
(1994) Environmental and food safety focus
(1996) Engage ‘customers’; Integrate social, environmental and health scientists
(2003) Build alliances/ broaden participation/ present ag, urban and resource IPM topics
(2006) Invited even broader participation and topics

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Increase in organizations, topic areas, sponsorship
Sixth National IPM Symposium - *now what?*

- Theme for the next IPM Symposium?
- What worked best with this Symposium?
- What could be done differently/ new ideas?
- Volunteers?
  - Comments from cards have been summarized
  - Contact Sue Ratcliffe: sratclif@uiuc.edu
Theme???

- IPM and Industry *(get big box stores to attend)*
- IPM in Natural Resources and Urban Communities
- Biological Basis of IPM
- IPM: Key to Sustainability
- IPM - Commitment to Performance and Change for Economic Competitiveness, Environment and Society
- Harmonizing IPM, Cooperation in North America
- Selling IPM Values
- Who and What Will Influence IPM Impact in the Future

*Any theme, but let community set agenda and activities*
What worked?

Well coordinated/ nicely organized (6)
Good venue/ accomodations (8)
Nice reception/ good social mixer (3)
High level of social interactions/ networking (3)
Interactions in small group sessions is great
All posters up 2 days
Good mix of people/ professions attending
Awards
Loads of educational opportunities
Different/new ideas?

Don’t put multiple urban sessions in same time slot (5)
Awards luncheon - more about award winners & criteria (3)
Larger font for affiliation names on nametags (2)
Differences between symposia, workshops, etc. confusing (2)
Urban IPM should be strengthened and diversified (2)
More focus on natural resources
Need to advertise more for more participation
Too much focus on > pesticide use rather than > risk
**Different/new ideas?**

- Too many concurrent sessions - no more than 4 at a time
- More slots for oral presentations
- Now serious are you about feedback anyway? (need evaluation forms)
- Skip government presentations - give more success stories
- Relevance of presentations - too many positives w/o negatives
- Move some sessions to evening to spread them out
- Move away from 1st week of daylight savings
Different/new ideas?

Add hospitals/nursing homes
Poster session should have more structure
Address issue of handouts up front, will they be on CD’s, on the web, or sent by email? More handouts/CDs (2)
Repeat some more popular sessions
More regulatory agency presence for correct interpretations
Not enough time for Q & A
etc.

Alot more comments on administration and facilities
Sixth National IPM Symposium

**Suggested Topic**

Leadership at all levels - a national voice for IPM
GMOs - why should we run and hide?
Behavior change: a crucial component for urban IPM
Integrated management of insect transmitted viruses
Comparison of insecticide resistance management to GMO resistance management
IPM Curriculum for Youth (get 4-H involved)
+ several suggestions for plenary speakers

** Volunteer to organize a session!!**
Volunteers?

- Co-chairs
- Steering committee
- Site selection/arrangements committee
- Program committee
- Sponsors/exhibitors

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Sixth National IPM Symposium

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