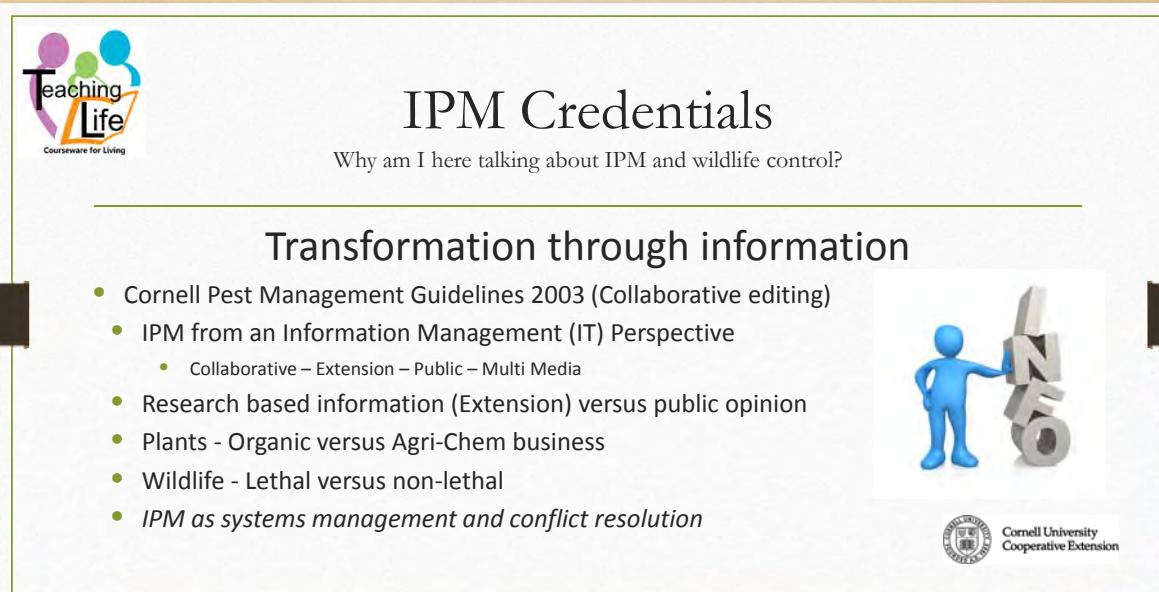


The slide features a title card for the "National Wildlife Control Training Program". The card is white with a thin green border. At the top, there is a row of five small illustrations of various animals: a squirrel, a bird, a deer, a raccoon, a fox, and a bear. Below the illustrations, the title "National Wildlife Control Training Program" is centered in a serif font. Underneath the title, the text "An evolution in wildlife damage management training using IPM methodology" is written in a smaller, sans-serif font. At the bottom left of the card is the "Teaching Life" logo, which consists of three stylized human figures in purple, green, and blue. At the bottom right is the Cornell University Cooperative Extension logo, which includes the university's name and a small seal.



The slide is titled "IPM Credentials" in a large, bold, serif font. Below the title, a subtitle asks, "Why am I here talking about IPM and wildlife control?" A horizontal line separates this from the main content. The main content is titled "Transformation through information" in a bold, sans-serif font. To the left of this text is the "Teaching Life" logo. To the right is a 3D graphic of a blue stick figure standing next to a large, metallic-looking structure that spells out "INFO". At the bottom right is the Cornell University Cooperative Extension logo.



Time line

• Prevention and Control of Wildlife Damage (PCWD 4 th edition 1994)	1994
• ICWDM 2004 (reboot from 1996 - IPM Funded)	1996
• Pest Management Guidelines 2003 (Cornell-NYS IPM)	2003
• Best Practices for Nuisance Wildlife Control Operators 2004	2004
• eXtension Wildlife Damage Management CoP 2005 - 2013	2005
• National Wildlife Control Training Program (NWCTP) 2010	2010
• Master Gardener 2014 (IPM Funded)	2014
• Private NWCTP 2015	2015

Raj Smith
Scott Hygnstrom
Paul Curtis
Stephen Vantassel

 Cornell University
Cooperative Extension



Human-Wildlife Conflict

Wildlife Damage Management – Vertebrate Pest Management – Nuisance Wildlife Control

• Damage to crops – Agriculture	Public Opinion
• Damage to vehicles (cars, airplanes)	Economic costs
• Damage to physical structures (barns, houses, commercial buildings)	Humane and ethical treatment
• Landscaping (plant, lawns, sanitation)	Oversight and training
• Problems with safety and disease	





Best Practice

Best practices for nuisance wildlife control operators

- What's a "**best practice**"? It's an effective method for solving a nuisance wildlife problem that also minimizes risks to the environment and our health and well-being. This decision-making strategy balances concerns about safety; the humane treatment of wildlife; practicality; landowner rights; the protection of wildlife populations and habitats; and ethical, legal, financial, and aesthetic issues. Best Practices for Nuisance Wildlife Control Operators 2004
- *Best Practice is an expression that means "think IPM"*

IPM friendly publication (Paul Curtis – Jill Shultz – Lynn Braband)



Cornell University
Cooperative Extension



IPM as Wildlife Systems Management

Problem solving, framing, perspective – IPM requires effort and information

- What's the problem? **Assess** the situation.
- What are possible solutions? **Choose** Management Options. What does it cost?
- **Implement** the solution – Wildlife damage management and wildlife species information
- How long will it work? **Prevent** future problems. Prevention
- **Evaluate** success. Measure its effectiveness. Repeat or redo

Habitat – Biology – Ecology – Control Methods – Cost – Safety - Efficacy



Cornell University
Cooperative Extension



Integrated Wildlife Damage Management

- Best practices are based on the best available **information**, which includes scientific knowledge and the field experience of wildlife biologists and nuisance wildlife control operators (NWCOs). Best practices continue to be refined with time and experience.

PCWD is a bible of wildlife info

ICWDM is a clearing house of Information



NWCTP is a training Program



Wildlife Species Information

Prevention and Control of Wildlife Damage



- Research based reliable information
- Identification – image – description – sounds - tracks
- Biology – litters – diet – habitat
- Damage identification – plants - structures
- Economic and nuisance cost
- Damage prevention and control information
- Animal handling and disposition





Damage Prevention and Control Methods

- Non-lethal
 - Habitat management
 - Sanitation
 - Control food, shelter and resources
 - Repel or frighten
 - Exclusion
 - Trap and release
 - Fertility control
- Lethal
 - Toxicants
 - Kill traps
 - Shooting
 - Euthanasia

Local, state, and federal laws
Safety
Costs
Public perception

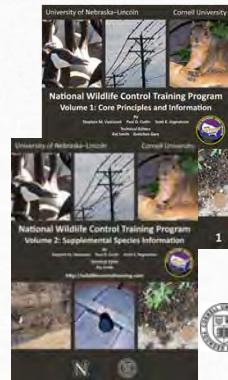
Animal Handling and disposition



Promoting (i) Wildlife Damage Management

IPM Vertebrate Pest Management

- Training and Education
 - Websites
 - Books
 - Extension
 - Social Media
 - Online courses



Cornell University Cooperative Extension



National Wildlife Control Training Program

- Professional Audience
- Training and certification
- Online training and certification program
 - Collaboration with states and professional organizations
- Core Manual – Basic Principles of Wildlife Damage Management
- Common species information – Biology and control information



Modules in the Training Program

1. Basic Principles	8. Toxicants
2. Physical Safety	9. Animal Handling
3. Wildlife Diseases	10. Euthanasia
4. Site Inspection	11. Legal and ethical
5. General Control Methods	12. Professionalism
6. Trapping	13. State information
7. Exclusion	14. Species information

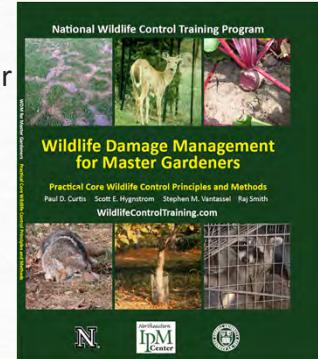




Master Gardener Training Program

Northeast and Nebraska versions

- Non-professional audience
- IPM framework – funded by the Northeast IPM Center
- Greater emphasis on non-lethal controls
- Extension audience?
- Local species information



Infrastructure of the training program

What does it take to make the training program function?

- Collaboration between extension faculty, government and private agencies
- Learning Management System (Moodle) privately hosted
- Ecommerce store
- SharePoint team website
- Public Website and social media
- Printed books
- Ebooks



 Cornell University
Cooperative Extension



Putting (and keeping) it all together

Websites, team work sites, learning management systems, training web sites, ecommerce

- ICWDM – Moved to University of Wisconsin-Stephens Point
 - New web platform (Drupal). New navigation, still a clearing house of WDM
- PCWD – 5th edition coming out in the fall, nearly 1000 new pages of new WDM
- NWCTP – Privately managed website with Moodle LMS and ecommerce
 - New state versions coming this year
 - New manuals and species guides – ebooks – mobile app
 - New online species courses

 Cornell University
Cooperative Extension



Questions? Contact Information

- WildlifeControlTraining.com
- Raj Smith
– Raj.Smith@Cornell.edu
- ICWDM.org

