

Tackling the Challenge of Invasive Species to Reduce Agricultural Impacts

Stephanie Showalter Otts, National Sea Grant Law Center Agricultural and Food Law Consortium Webinar Series







What are Invasive Species?

- Transplants causing Harm!!
- Species that are not native to the ecosystem in question which become established in the new environment and cause environmental, economic, and other problems.
 - Disrupt Ecosystems alter food webs, reduce native biodiversity, affect water quality.
 - Cost Money damage to crops, farmland, natural resourcebased businesses, eradication and control costs.

Why Care?

- Invasive weeds and plant pests reduce crop and livestock production.
- Invasive animals, like feral pigs, can spread diseases and destroy fields and fences.
- Control and eradication is expensive.
- Some researchers estimate invasive species cost the U.S. more than a \$120 billion per year (Pimental et al. 2005)



What can be done?

- Prevention Stop the Introduction!
 - Import, Sale, and Transport Restrictions
 - Vector Management
 - Public Outreach and Education
- Eradication Kill them all! (rarely works)
- Management and Control Stop the Spread!

Major Federal Players

- U.S. Department of Agriculture's Animal and Plant Health Inspection Service (APHIS)
 - Responsible for protecting U.S. agriculture from domestic and foreign pests and diseases.
 - Plant Health Protection Act, Animal Health Protection Act
- · U.S. Fish and Wildlife Service
 - Responsible for protecting U.S. wildlife resources
 - Lacey Act

Role of State Departments of Agriculture

- Regulating noxious weeds and plant pests in partnership with USDA.
 - Conducting inspections of shipments and facilities.
 - Issuing certifications necessary for sale/transport of plants and other products (e.g., aquaculture).
 - Monitoring for invasive species and quarantine declarations.
 - Implementing management and control programs for pests (insects) and weeds.
- Cooperating with state fish and wildlife or natural resource agencies to regulate and control invasive animals and aquatic invasive species.

Challenges: Federal Level

- Lack of coordination among federal agencies.
- Reductions in funding for research, control, and grant programs.
- Gaps in authority with respect to species or vectors.

U.S. Association of Reptile Keepers v. Zinke (D.C. Cir. 2017)

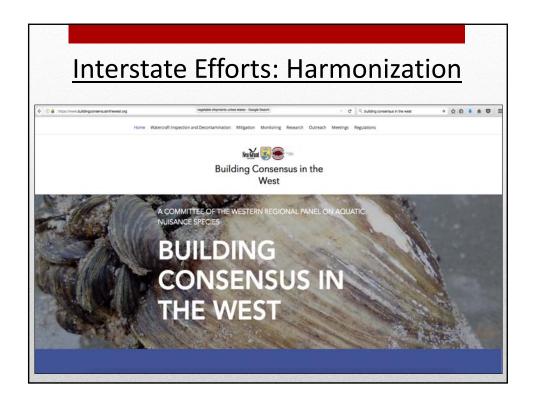
- The Lacey Act prohibits importation of listed injurious species into the U.S. and "any shipment" of those species "between the continental United States, the District of Columbia, Hawaii, the Commonwealth of Puerto Rico, or any possession of the United States." (18 U.S.C. 42(a)(1)).
- In 2012, FWS listed several species of constrictor snakes as injurious species. Rule stated that all interstate shipments were prohibited.
- D.C. Circuit disagreed with FWS's interpretation. Held that clause only prohibits shipments between the continental U.S. and the listed jurisdictions.

Challenges: State Level

- Lack of intrastate coordination and cooperation of state agencies, non-government entities, and stakeholders.
- Inconsistency and gaps in state laws, regulations, policies, and enforcement (interstate).
- Management, control, and enforcement efforts are expensive and funding is limited.
- Lack of public awareness and knowledge of invasive species threats reduces effectiveness of prevention programs.
- Management and control efforts often require the cooperation of private property owners.



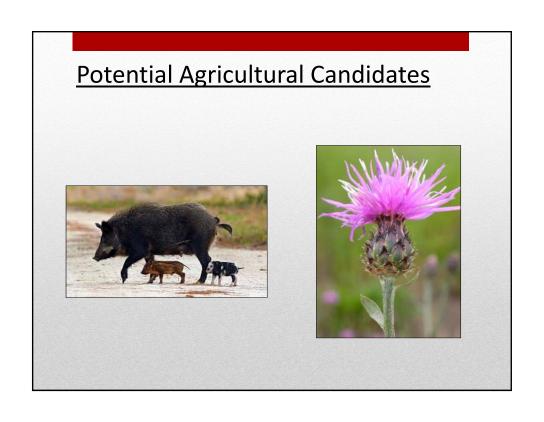


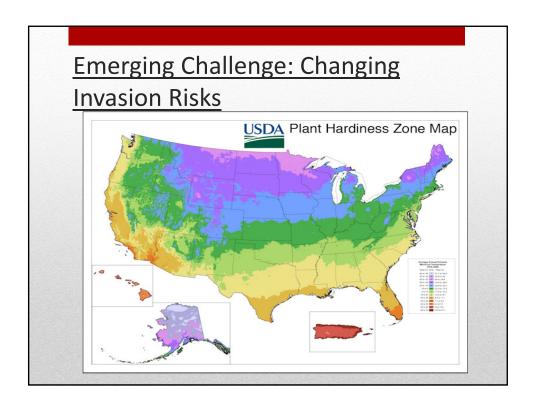


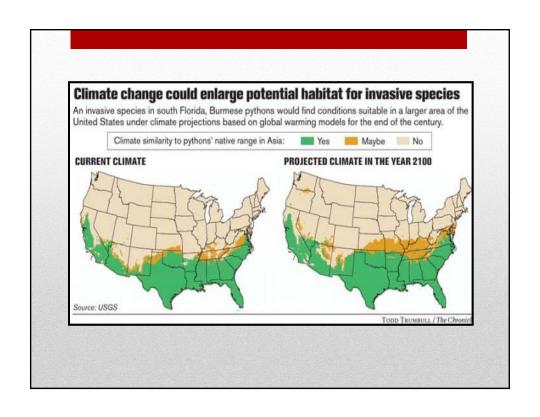
"Building Consensus" Model

- Assess "state of the science" through synthesis documents
- Gather information on existing legal framework and the barriers (real and perceived) to interstate cooperation
- Facilitate face-to-face meetings to develop policy consensus.
 - Convene AIS Coordinators, Assistant Attorneys General, Law Enforcement
 Officials in the same room. WRP Building Consensus Meetings include:
 - Phoenix, Arizona August 22-23, 2012
 - Denver, Colorado August 13-15, 2013, February 11-13, 2014, April 19-20, 2016
 - Albuquerque, New Mexico April 5-6, 2017









Resources

- National Invasive Species Information Center https://www.invasivespeciesinfo.gov/
- National Agricultural Law Center http://nationalaglawcenter.org/
- National Sea Grant Law Center http://nsglc.olemiss.edu/
- Environmental Law Institute https://www.eli.org/

Questions? Comments?

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