Many Goals, One Mission

The APHIS Approach to Protecting U.S. Agriculture

Kevin Shea
Administrator
Animal and Plant Health Inspection Service
To protect the health and value of American agriculture and natural resources
“Technology applied to an efficient operation will magnify the efficiency. And technology applied to an inefficient operation will magnify the inefficiency.”

Bill Gates
APHIS is our first line of defense against foreign pests and diseases.
Unmanned Aircraft Systems
Feral Swine

35 STATES
6 MILLION
1.5 BILLION

Innovative Tools
UAS / thermal videos to count and plot feral swine movement
eDNA from soil and pooled water to locate feral swine
Preparedness

We must be prepared to respond to a changing world.
APHIS is the lead national agency for agricultural emergencies and disasters.
How Do We Prepare?
Biosecurity Protocol Lapses → Improve Biosecurity → Close the Gaps
Citrus Greening
Challenges

- African swine fever
- Vaccines
- Diagnostics
- Pest detection

We need collaboration to find innovative solutions.
Questions?