

USDA-APHIS National Wildlife Research Center

Technology Transfer and Assistance

The National Wildlife Research Center (NWRC) is the research arm of the USDA Wildlife Services program and is one of the world's only research facilities devoted entirely to the development of methods for effective wildlife damage management.



NWRC partners with private sector industries to develop new tools and techniques for resolving human-wildlife conflicts. Methods of technology transfer are varied and include publishing research findings, producing technical notes and factsheets, and protecting and licensing inventions for developing commercial products.

To learn more, please visit www.aphis.usda.gov/wildlife_damage/nwrc or email nwrc@aphis.usda.gov.

Examples of Successful Technology Transfer & Assistance

Bird Repellents and Other Damage Control Methods

- Polyurea elastomer coating to prevent woodpecker damage – *Extenda-Life®*, Brooks Manufacturing
- Species recognition technologies – *Goose Guardian*, TKO Enterprises
- Net air cannon to capture birds – *Martin Net Blaster*, Martin Engineering
- Bird repellents– *methyl anthranilate*, *Rejex-it®*; *anthranquinone*, *Arkion®* Life Sciences
- Aircraft lighting systems to prevent bird strikes – *Precise Flight*
- Low powered laser to disperse birds – *Avian Dissuader*, Sea Tech



Disease Control and Surveillance



- Prion decontaminant – *Savinase*, *Novozymes*
- Field-portable water filtering device for Avian influenza – *CSU Animal Science Department*
- Surveillance system for monitoring West Nile virus – *Larimer County*
- Enhanced efficacy of oral rabies bait – *Raboral V-RG®* vaccine, *Merial*
- Sampling design for detecting avian influenza virus in wild birds in Kenya – *DoD Global Emerging Infections Surveillance program*

Invasive Species Control

- Rodent barrier made from recycled steel – *Xcluder*, *Global Materials Technology, Inc.*
- Aerial bait delivery system for brown treesnake control – *Applied Design Corporation*
- Bait delivery systems for feral swine – *HOG-HOPPER®*, *Invasive Animals Cooperative Research Center*; *Boar-Operating System™*, *Food and Environment Research Agency*
- Large snake trap for pythons – *Tomahawk Traps, Inc.*
- Snake repellents – *Woodstream, Inc.*



Wildlife Contraceptives



- Oral contraceptive to reduce overabundant pigeons, Canada geese – *OvoControl® P and G*, *Innolytics LLC*
- Immunocontraceptive to reduce overabundant mammals, such as white-tailed deer, in urban areas – *GonaCon™* (*Seeking a partner*)
- Immunocontraceptive for use in companion animals as an alternative to spaying and neutering and for disease prevention – *GonaCon™* (*Seeking a partner*)