

Integrated Wildlife Damage Management For Homeowners

UK UNIVERSITY OF KENTUCKY
College of Agriculture



Thomas G. Barnes, Ph.D.,
Extension Professor

What is Wildlife Damage Management?

- **Wildlife damage management is an activity that seeks to balance the needs of human activity with the needs of wildlife to the mutual enhancement of both. Sometimes the solution to an animal-human conflict requires the human to change his or her behavior. Other times, the solution is to change the animal's behavior. Various tools and strategies are used to reduce human-animal conflict, such as behavior modification, repellents, exclusion, habitat modification, relocation, lethal control etc.**

Objectives

- **Solve Problem Not Kill Animals**
- **Prevent Future Problems From Occurring**

Keys to being successful

- **Correctly identifying the culprit (s)**
- **Understanding why the damage is occurring**
- **Be aware of legal status of the animal**
- **Understand options for management, control, & prevention**
- **Repair attractant**

Integrated Wildlife Damage Management

- Identify problem animal
- Can I modify the animal's habitat to make it less attractive (food, shelter, water)?
- Can the animal be kept away from site (mechanical exclusion)?
- Can I use a repellent to keep the animal away (visual, auditory, chemical)
- How can the animal be removed safely?
Traps, shoot, snare, pesticide (last resort)
- Repair or remove attract to inhibit further problems

Be an investigator

- Tracks, burrows, type of damage, etc.
- Learn about your adversary – biology, behavior, etc.



Habitat Modification

- Trim trees
- Stop feeding birds
- Removing firewood away from homes
- Etc.

When to implement control?

- Is it a health or safety hazard?
- Causing economic damage?
- Just a nuisance?
- What is the animal's legal status?



Exclusion

- Build them out, Best & Most Permanent



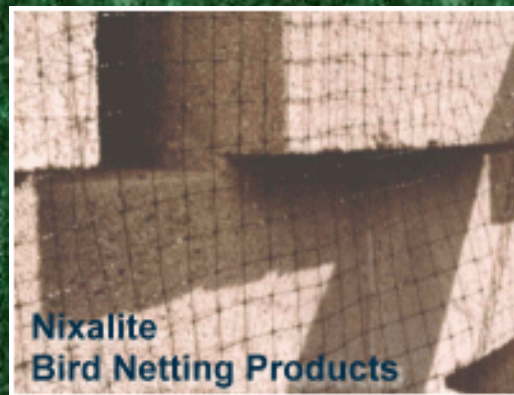
Cover vents



Cover chimney



Prevent from landing



Nixalite
Bird Netting Products



WELDED STAINLESS MESHES
Hardware cloth

Visual Repellents

- Effective only in short-term



Tactile Repellents

- Sticky, deter, must reapply



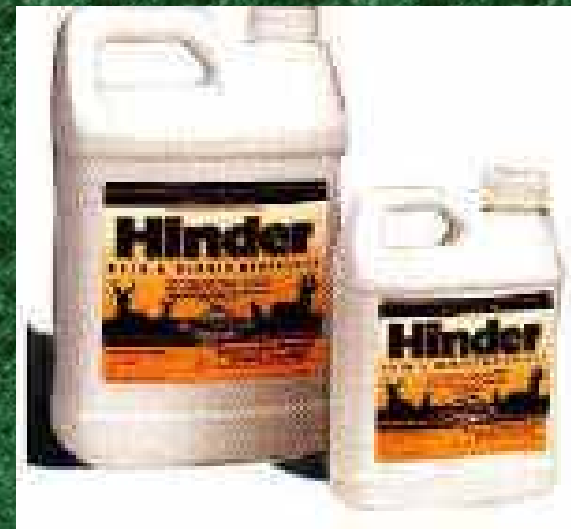
Thiram – One of the Best

Chemical Repellents

- Adverse taste reaction (birds & mammals)
- Will not stop damage, just reduce, generally more effective than smell



Hot Sauce



Only one for Human Edible Crops

Chemical Repellents

- Adverse smell reaction (mammals)



Chemical Repellents

- Home-made (not as effective) in long run they are more expensive
- Soap
- Human Hair
- Animal Urine
- Etc.

Animal Removal (Trapping)

- Live-trapping most common
- Variety of traps available
- Single door more effective than double door
- More effective if trap is covered with canvas



Instant-Kill Type Traps

- **Variety of sizes, companies**
- **Anything that goes through will be killed, breaks the neck almost instantaneously**
- **Useful in front of holes, fences, etc.**



Snare

- Similar to use as a instant kill type but animal isn't harmed



Leg Hold Traps

- **Soft-catch more humane**



Poisons

- **Very few available**
- **Most are not labeled for homeowner use**

Sources of Assistance

- **Private Nuisance Wildlife Control Operators (KDFWR maintains a state-wide list)**
- **USDA-APHIS-Wildlife Services**
- **Kentucky Department of Fish & Wildlife**
- **UK Cooperative Extension Service**