Sheep and Goats
A Weapon Against Weeds

Controlling Invasive Plants with Grazing

July 22, 2010
Noon
Technical

- Ensure that volume on computer and speakers is sufficient
- Closing Adobe Connect window and restarting fixes most problems
- Use text chat pod to communicate
  - Technical problems privately to Ellen Green, or
    - egreen13@umd.edu
    - 301-432-2767, ext. 307
  - Content questions to everyone
- Use status indicators to communicate
Introductions

- Nevin Dawson
  - Forest Stewardship Educator
  - Wye Research and Education Center
  - University of Maryland Extension
  - ndawson@umd.edu
  - 410-827-8056 x125
  - www.naturalresources.umd.edu
Introductions

- Brian Knox
  - President of Sustainable Resource Management, Inc
  - Supervising Forester for Eco-Goats
  - forests@earthlink.net
  - 443-458-5237
  - www.eco-goats.com
Introductions

- Susan Schoenian
  - Sheep & Goat Specialist
  - W. MD Research & Education Center
  - University of Maryland Extension
  - sschoen@umd.edu
  - (301) 432-2767 x343
  - www.sheepandgoat.com
Pre-Program Poll
Primer on Invasives

- How they get started
  - Imported in packing material or bilge water
  - Intentionally introduced: “seemed like a good idea at the time”
    - Erosion control
    - Ornamental
Primer on Invasives

- Why they are successful
  - Easy to grow
    - Quick solution to problem
    - Easy landscaping
    - Lack of knowledge of consequences
  - Similar to Superman
    - No natural enemies
    - Easy to compete in the local climate/site
Primer on Invasives

- Their impact
  - Damages and losses of more than $138 billion per year nationally*
  - Crowd out native species
  - Reduce food and cover sources for native species
  - Reduce biodiversity

Common Invasive Plants
Do you recognize them?

Golden bamboo
Garlic mustard
Oriental bittersweet
Multiflora rose
Mile-a-minute
English ivy
Tree of heaven
Traditional Control Measures

- **Mechanical**
  - Hand pulling/cutting
    - High labor cost
    - Low dollar cost
    - May require repetition
    - Requires moderate access
  - Mowing
    - Moderate labor
    - Moderate dollar cost
    - Requires repetition
    - Requires high access
Traditional Control Measures

- Chemical
  - Labor varies
  - Higher cost possible
  - Moderate access required
  - Possible collateral damage
Brian Knox
Intro to Targeted Grazing
Susan Schoenian

How To?
Brian Knox

Managing Goats on the Ground
Questions?