

Shelterbelt Establishment for Livestock Buildings in the Maritimes

Atlantic
SWINE RESEARCH Inc.
PARTNERSHIP

Canadian
Pork
Council



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The Shelterbelt Program

- Greencover Funding for 2 years (April 2005-March 2007)
- 2 Demonstration sites in each of the Maritime provinces
- 4 “Train the Trainer” Workshops



The Shelterbelt Program

Objective:

Increase awareness within the Maritime pork industry as to the benefits of shelterbelt establishment adjacent to existing barns as well as promote the planting of tree belts around newly planned facilities.



Shelterbelt Benefits

- Reduce heating & cooling costs
- Aesthetics
- Odour reduction
- Shade for livestock
- Carbon sequestration
- Secondary farm income
- Increased biodiversity
- Control of snow



Potential Negative Aspects

- Loss of cultivated land
- Loss of view
- Increased daytime temperature
- Increased undesirable insects
- Increased odour close to barn
- Time required for maintenance

Workshop 1

Introduction to use of Shelterbelts: June 2005



Workshop 2

Design and Site Preparation, August 2005



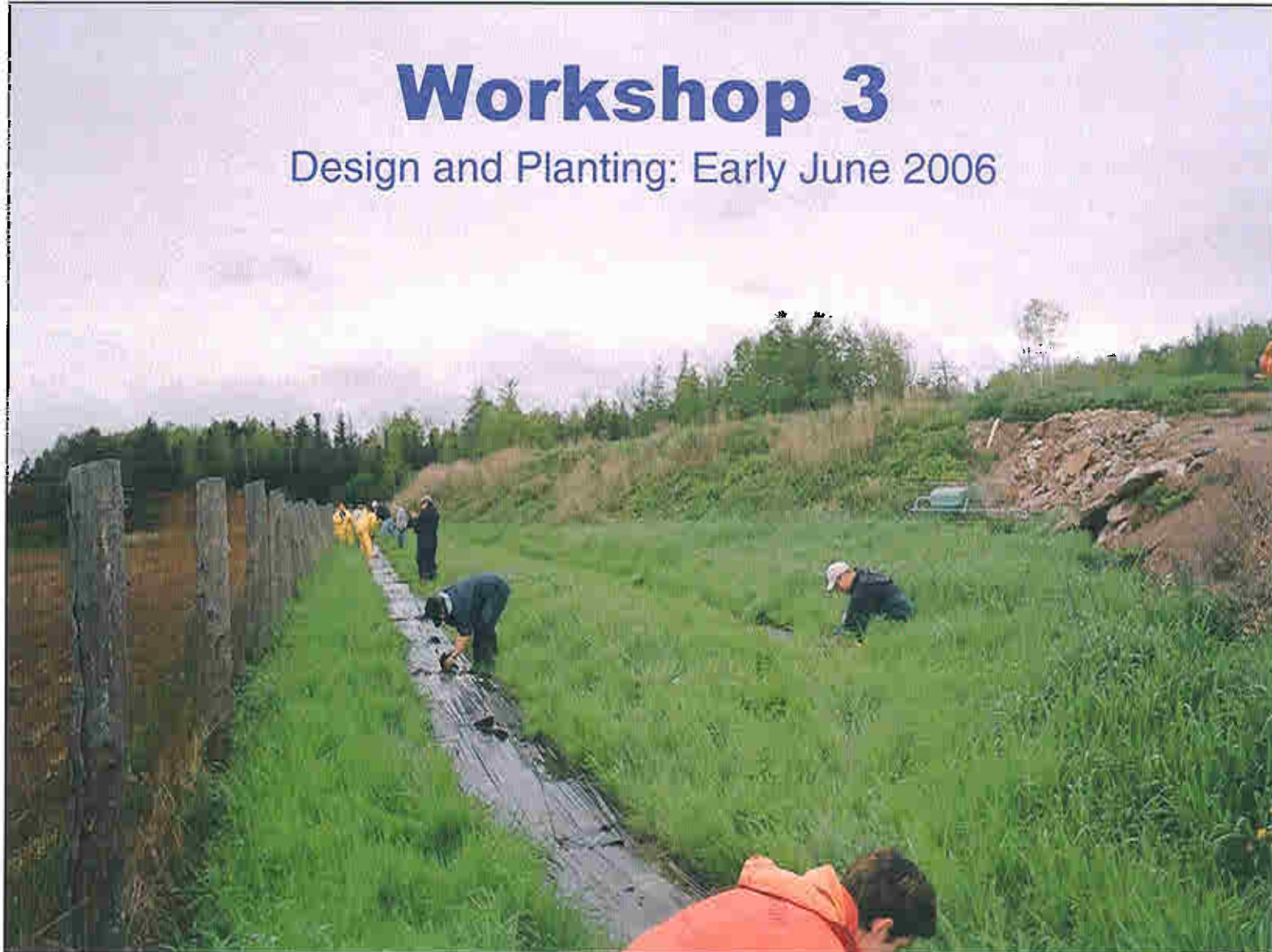






Workshop 3

Design and Planting: Early June 2006







Over 5553 m of Shelterbelt Planted in Maritimes

- PEI - 1579 m
- NB - 2128 m
- NS - 1846 m
- 95% tree survival rate



Over 1800 trees planted in the Maritimes

- PEI – 459 trees planted
- NB – 865 trees planted
- NS – 614 trees planted



4 month old Shelterbelt





Spruce



Poplar





Cattle Damage



- 3 row shelterbelt**
- 1. Spruce**
 - 2. Poplar**
 - 3. Maple, Ash, Oak**

Outreach Activities

- Factsheets
- Articles
- Web page
- Producer's Guide - Now Available
- Maintenance Guide
- Site Tours
- 15 people trained on all aspects of shelterbelts available to assist producers
- Workshop #4 - Pruning



Shelterbelt Establishment Equipment Available to Producers

- Plastic Mulch Applicator and plastic mulch
- Brush Mower
- Basic soil preparation and tree maintenance supplies

\$ Available for Producers

- Federal/Provincial money will pay for up to 50% of the cost
- Agricultural Environment Management Initiative (AEMI) – NB
- Potential demonstration sites

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