## Potential for increased treated wood products usage in U.S. South residential construction

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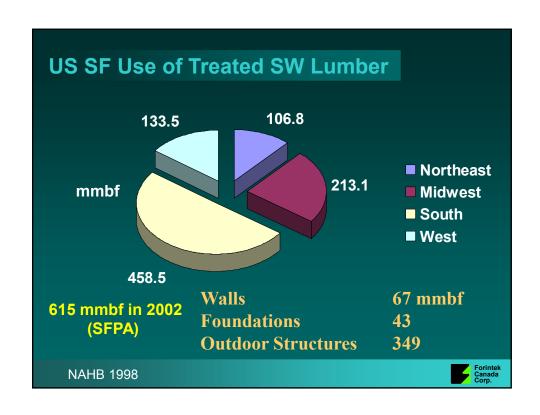
Canadian Wood Preservation Association October 19, 2004

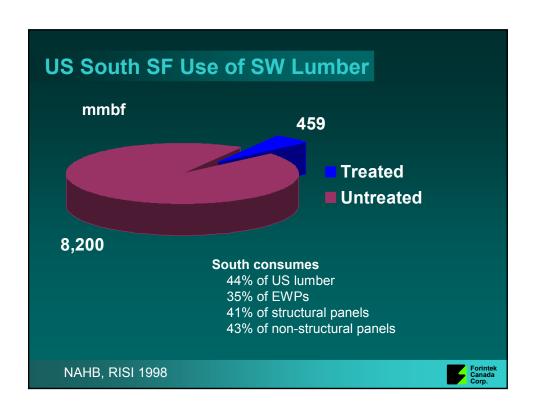


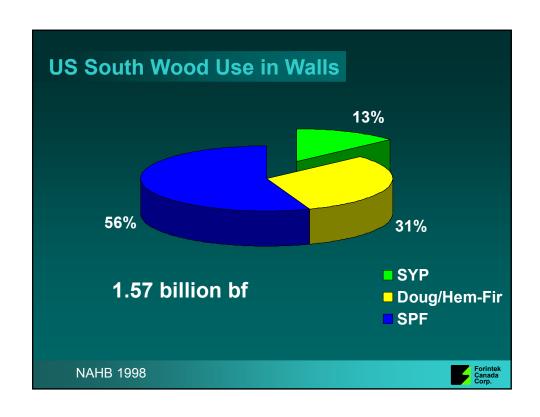
## Overview

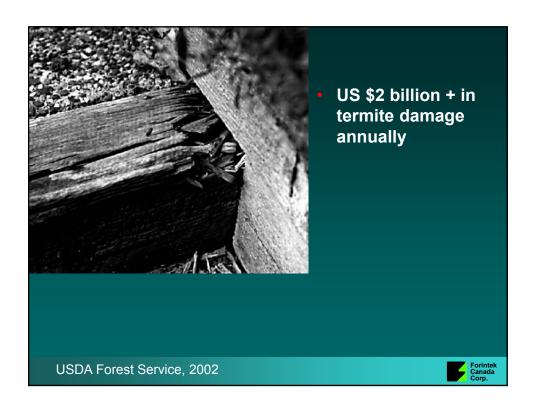
- Background / rationale
- Results of U.S. South treated framing study
- Results of N.A. decking study

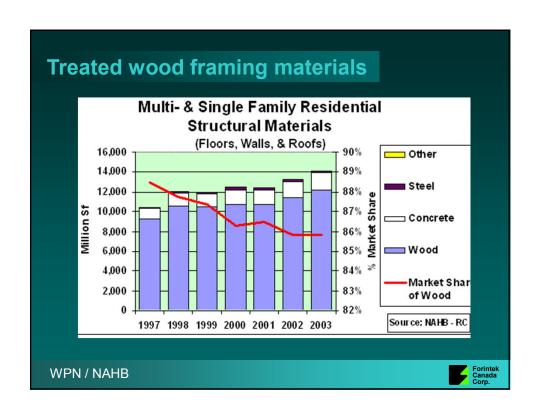


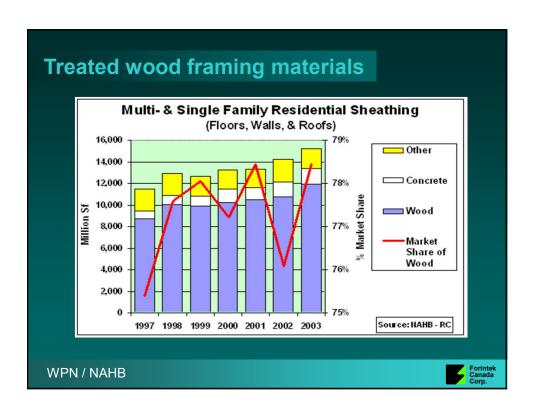


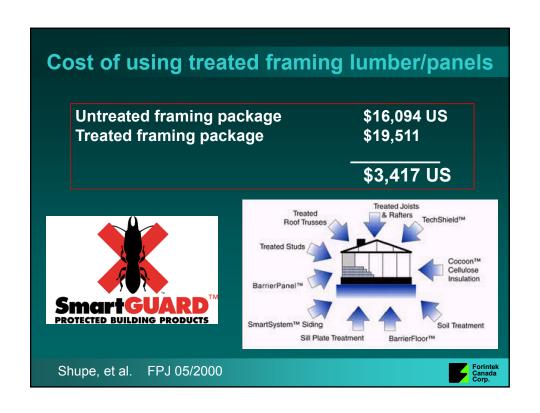


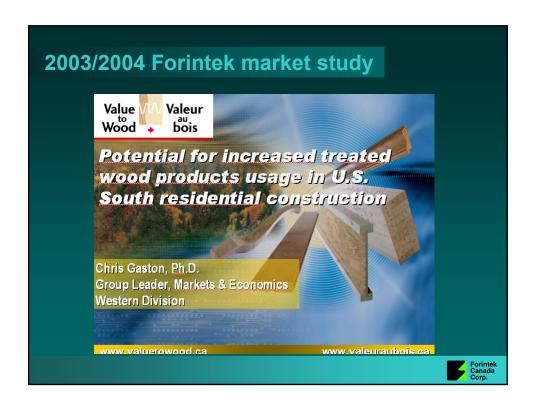










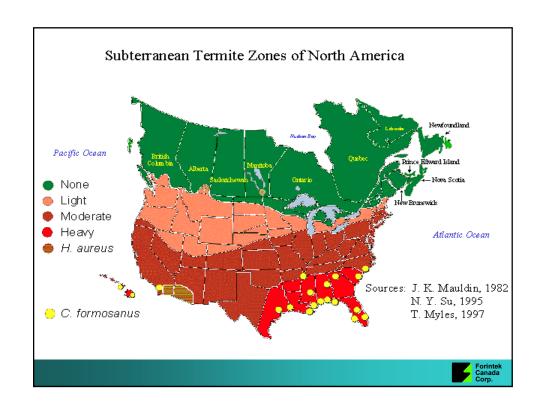


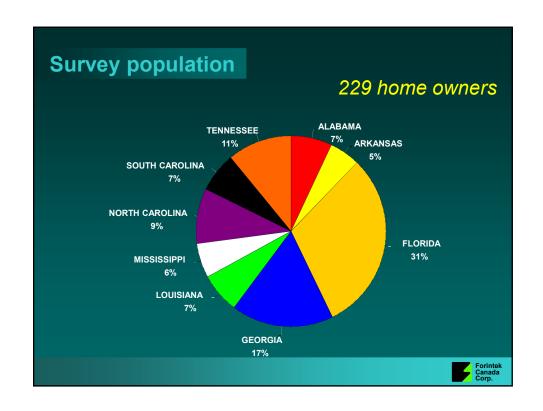
# 2003/2004 Forintek market study

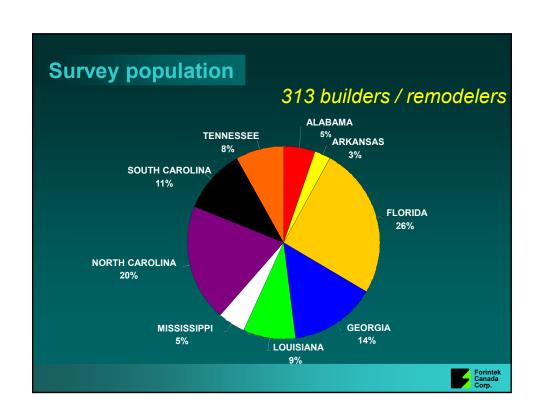
Key Objective is to document reasons for the lack of specification of treated wood for home framing

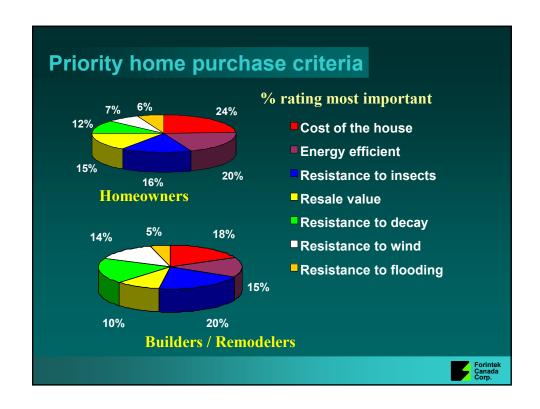
- Buyer/Supplier demographics information
- Criteria for treated wood home framing purchase or sales
- How treated wood perceptions were developed
- Awareness and performance perceptions of treated wood relative to other construction materials
- Awareness and perception of various chemicals and wood treating processes

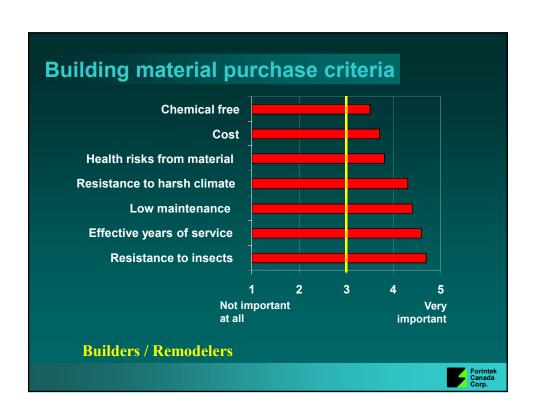












## **Attitudes**

- treated lumber was believed by homeowners and builders / remodelers to be less harmful to the environment than plastic or steel
- 43% of homeowners and 41% of builders / remodelers stated they had an extremely positive perception of treated wood products



#### **Attitudes**

- Treated wood is appropriate for new home framing (remodelling)
  - 54% (49%) of homeowners said yes
  - 49% (47%) of builders / remodellers said yes
- 81% of builders / remodellers did NOT have any concerns about using treated wood sructurally
  - Of those that did, cost was the major concern



## **Attitudes**

- Familiarity with borates
  - 12% of homeowners
  - 38% of builders / remodellers
- Are some types of treated wood safer than others?
  - Homeowners: Yes 22% No 9% Unsure 69%
  - Builders / remodellers: Yes 26% No 20% Unsure 54%



#### **Attitudes**

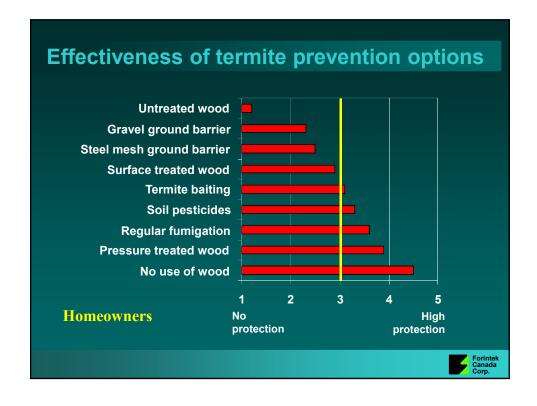
- 64% of homeowners started that they somewhat or strongly agree that treated wood is an acceptable material for home framing
- 69% of homeowners somewhat or strongly agree that they would frame their house with treated wood if it was certified safe (Note small difference)
- 53% of homeowners somewhat or strongly agree that they would like more information on proper use, handling and disposal of treated wood



# Attitudes

- 62% of homeowners somewhat or strongly agree that they would pay a price premium for treated wood
- Only 24% of builders / remodellers stated that they would not pay a price premium
- 34% of homeowers have experienced termite damage to their homes, and 88% have taken action to prevent attack by some means





## **Effectiveness of termite prevention options**

- 60% of homeowners stated that treated wood strongly or greatly protects against termites; 17% for preservative surface sprayed wood
- Comparative figures for builders / remodelers are 76% and 12%



## Conclusions

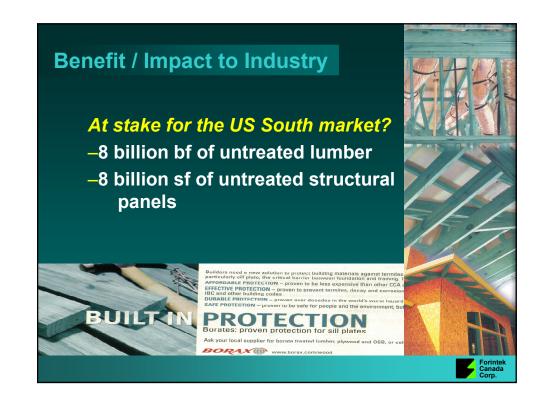
- Results suggest that we could see large increase in the use of treated wood in home framing in the South
  - Attitude ahead of behavior?
  - In the South, treated wood means SYP! How do we insure SPF maintains market share?



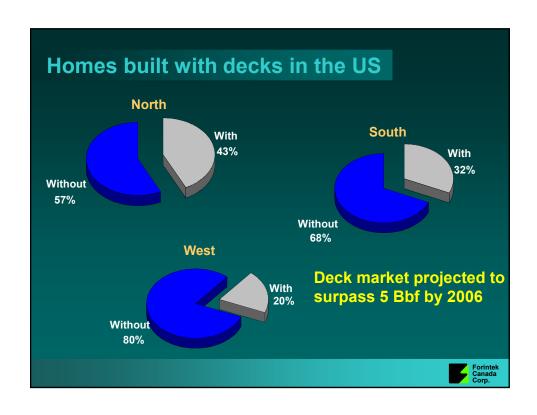
# **Benefit / Impact to Industry**

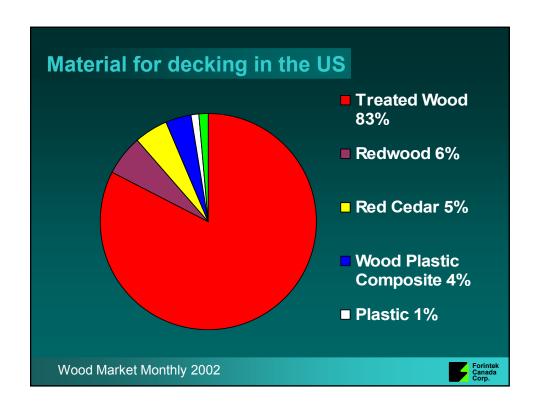
- Educate homeowner on treated wood benefits
  - life-cycle cost of treated wood compared to alternatives such as fumigation and non-wood
  - safe use / handling / disposal
- Market research on willingness-to-pay
- Increase brand recognition
- Further develop prefabricated components industry, incorporating Canadian treated wood products

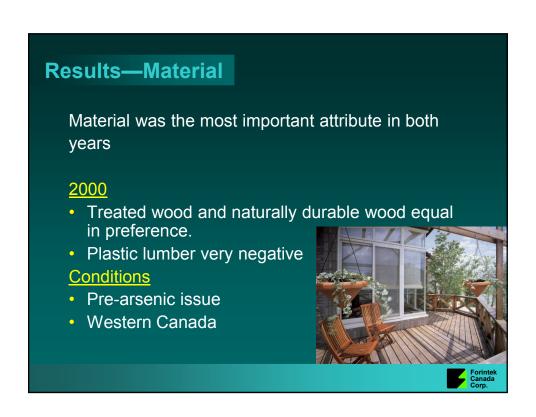












## Results—Material

#### 2003

- Treated wood dropped from most preferred to least preferred (and highly negative)
- Wood plastic went from highly negative to ranked a close second

#### **Conditions**

- Post-arsenic issue
- Eastern Canada and US





#### **Results—Other attributes**

- Expected lifetime of a deck is a close second in decision making criteria for consumers
- Cost is the 3<sup>rd</sup> most important attribute
- Expected annual maintenance is the 4<sup>th</sup>

most important attribute

Consumers were surprisingly insensitive to this attribute





