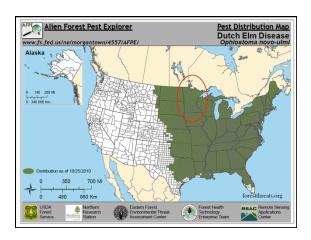
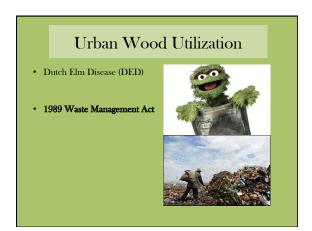


# Urban Wood Utilization • Dutch Elm Disease (DED)





# Urban Wood Utilization

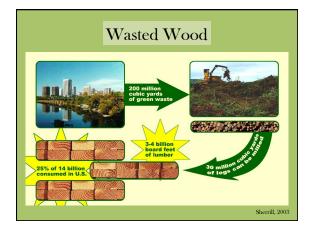
- Dutch Elm Disease (DED)
- 1989 Waste Management Act
- Urban Tree Utilization Project (1991-1994)

   The Twin Cities area

   326,000 tons tree residue yearly

   85,000 tons in logs
  (Sherrill, 2003)





# Sources of Wood Waste

- Storm Damage
- Land Development
- Arboriculture Practices
- Invasive Pests



politicalcartoons.com, broadbentinc.com, livingwithinsects.wordpre

## Emerald Ash Borer: The Current Issue

- Ash spp. popular tree for developed areas
   Chicago 289 ash trees/ha (Kovacs et al., 2009)
- Affect healthy Ash trees

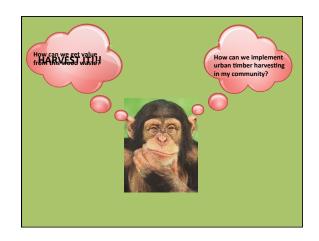


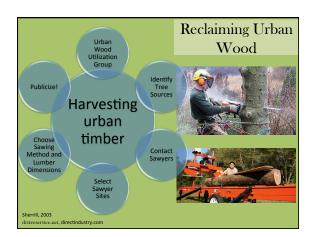
oronorecord.com

## Emerald Ash Borer: The Current Issue

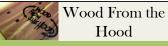
- Ash spp. popular tree for developed areas
   Chicago 289 ash trees/ha (Kovacs et al., 2009)
- Affect healthy Ash trees
- 2010-2020: \$12.5 billion to treat or remove and replace (Kovacs et al., 2011)
- Current status of EAB?











- Minneapolis 2005
- Lumber (8/4, 4/4), flooring, specialty orders, novelty
- · Partnered with local arborists
- Tag every product with zip code
- · Have Coop with local grocery stores
- The "Buy Local" Market







# The Urbanwood Project

- Ann Arbor 2005
- Focus: "Recycle dead urban trees, especially those killed by EAB"
- Recycle from municipal tree crews and private tree care companies
- 6 local sawmill partners
- 3 Retail locations in SE Michigan
  - Ann ArborFlintHaslett





Urbanwood products: A sustainable choice that supports communities in Southeast Michigan



6

# Keys to Success

- Cooperative effort
- Consistent and multiple wood sources
- Specialty orders
- · Get the public excited





## **Future Directions**

- Urban Tree Waste is not declining
  - Invasive pests, storms, and harsh environment
- Sustainable living and buying local
  - Becoming the norm
- Develop Cooperative Agreements
  - Partnering to offset costs



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# Questions?

