



# **North American forest pest experience**

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## Economic study\* estimates:

- Likely pathways of 81 forest pests introduced into the US:
  - Nursery stock = 63%
  - Wood & WPM = 22%
  - Hitchhikers = 6%
  - Intentional = 1%

\* Preliminary data from a study funded by The Nature Conservancy, conducted at the National Center for Environmental Analysis and Synthesis, Univ. California Santa Barbara

# Pest Risk Analysis

Example: NAPPO – AGM PRA

- study pest distribution, biology, commodity associations, mitigations.
- Notification via IPPC
- Trading partners have a chance to respond, argue, even sue if they think the rule is unfair.

# Determination of pest status and methods for surveillance

Example: Extensive trapping for European gypsy moth

- Mexico doesn't want Xmas trees from infested areas.

# pest free areas, pest free places of production, pest free production sites

- EU requires ash must be debarked and square edged if coming from a quarantine area, or certify pest free production area.
- Nursery stock may require this in future, as Q37 requirements are revised.

# export certification of wood and non-wood products

Example: ISPM-15

- specialty products may require special handling not compatible with 56/30, e.g. wood shavings

# **establishment of import controls for wood and non-wood products**

- ISPM-15
- Plants for Planting (NAPPO 24 implementation)
- Federal order restricting hosts of ALB & CLB

# inspection of wood and non-wood products

- Wood handicrafts - currently not regulated (except recently advertised requirements for treatment for articles from China)
- Plants for Planting - some genera blacklisted
  - Most imported with inspection and phytosanitary certificate requirements

# determination of equivalence of phytosanitary measures

- alternatives to methyl bromide e.g., microwave
- TPPT needs to decide which pests are required (3 hardest pests for each trt might differ).

# pest reporting obligations

- notification of non-compliance and emergency action
- National Plant Diagnostic Network
- NAPPO alerts
- NOTE: AT present are countries only required to report new pest outbreaks and pests on other countries black lists????

# forest pest surveillance, eradication and long-term management

: AGM

- Huge network of pheromone traps
- Spread modelling
- Treatment of advancing front “bubbles”
- Reducing spread rate about 50%
- Target specificity tradeoffs in pesticide choices