Is IPM of Subterranean Termites an Obtainable Goal?

Frank S. Guillot
Coordinator, Formosan Subterranean Termite National Program
USDA-ARS New Orleans, La.
Structural Protection

- EPA
- State Regulations
- My House
- Family Interests
- PMP Practices
Dynamics of Termite Infestation

Does IPM Have a Fit?

Dynamics of Termite Infestation
3321 Bentwillow Dr.
Pre-treatment
30 colonies present

Ed Vargo, NC State
Structural Protection
(Conventional Practices)

- Pretreatments
  - Liquid termiticides
  - Physical barriers
  - Treated lumber

- Post treatments
  - Liquids (repellent, non-repellent)
  - Bait systems
  - Combinations
  - Spot Treatments
  - Foams/gels/pastes
  - Fumigation
Structural Protection
Prevention of Damage
(Goals)

Population (reduction) Management
(Multiple Colonies)

IPM Strategy
IPM Program

- Habitat management/pre & post construction
  - Architecture/construction techniques
  - Landscape practices/sanitation/maintenance
- Inspections/monitoring
- Biological agents
  - Fungi
- Termiticides
  - Bait systems
  - Non-repellent termiticides
- Physical barriers
- Area-wide implementation
  - Dense populations of termites, e.g. New Orleans
- Education/extension
Obstacles to IPM

- Conventional treatments/practices have long history and widely accepted.
- IPM vs. business model, i.e. profitability.
- Operator training/competency.
- Treatment options are mostly limited to chemical.
- Design & construction practices.
- Owners are not aware of preventive measures or their roles in prevention.
- Pesticide laws, rules and policy.
- Population management (IPM) as applied to structural pest not accepted or understood by public and regulatory officials. Generally accepted: “keep the critters out of my house.”
IPM Strategy

Termite Population
(Multiple Colonies)

Treatment
Baits, Non-repellent termiticides

Structure
Primary/Secondary

Inspection
Habitat Management

Non-structural Landscape
Workshop Goals & Objectives

• Goals
  – Lessen threat of damage by reducing termite population
  – While minimizing dependency on harsh chemicals

• Objectives/Discussion
  – Status of on-going projects from states
  – Prospects for implementation
  – Needed technology
  – Funding source, e.g. S. Regional IPM
  – Establish a working group, e.g. Regional Project
  – Convincing public, industry & regulatory agencies