



Termite University

Bost Extension Conference Center, Mississippi State University

MSU Extension Service and MDAC, Bureau of Plant Industry

November 12, 2019:

9:30, Check in and Coffee

(Time to view lab sample specimens)

10:00 AM (30 min.) Introduction and Overview (Dr. Blake Layton, MSU-ES)

Explain course objectives, importance of termites, and overview of industry and treatment options.

10:30 AM (30 min.) Pesticide Safety (Mr. Gene Merkl, MSU-ES)

Covers basic pesticide safety, safe handling and transport of pesticides.

11:00 AM (60 min.) Termite Identification and Biology (Dr. Blake Layton, MSU-ES)

Covers identification of all eight species of termites most commonly encountered in the state.

Biology portion focuses on subterranean termites, Eastern Subterranean Termites and Formosans.

12:00 LUNCH (catered sandwiches, Bost South Auditorium)

1:00 PM - (45 min.) Termite treatment regulations (Mr. Russell Kohler, MDAC BPI)

Detailed information on Mississippi regulations and compliance requirements.

1:45 PM (60 min.) Tools and Methods for Prevention and Control: (Dr. Blake Layton, MSU-ES)

Covers various tools and methods for termite IPM, includes physical controls, baits and liquid termiticides

2:45 BREAK (15 minutes) (Then travel to Redd Training Facility at MSU Horse Park)

3:15 PM (2 hours, including travel to Redd Training Facility at MSU Horse Park),

On Site Training: Types of Construction and Building Elements (Mr. Randy Boyle & Mr. Russell Kohler, MDAC, BPI)

On-site tour of various types of construction and treatment procedures for each. "How would you treat this?"

Hands on demonstration of foaming methods and sprayer calibration.

Directions to Horse Park, 869 E Poor House Rd, Starkville, MS (about 4.5 miles or 9 minutes from Bost Building)

Bost Extension Drive > Left onto Russell St. > curves and becomes Stone Blvd > cross Blackjack Road

> continue on Hail State Blvd > right onto E Poor House Rd > Right into Horse Park (but take the left entrance)

> Redd Training Facility is on far side of first gravel parking lot on left.

Termite University Day 2
Bost Extension Conference Center, Miss. State University

November 13, 2019:

7:30 AM Continental Breakfast (pastries, fruit, coffee and drinks)
(Practice your ID skills with lab sample specimens)

8:00 AM (60 min.) **Termite Math** (Dr. Blake Layton, MSU-ES)
Calculate rates and volumes of termiticide for various types of buildings and application methods
Includes pre-construction and post-construction. Includes liquid termiticides and baits.
(Additional "practice examples" provided for attendees to work outside of class if desired.)

9:00 AM (45 min.) **Record Keeping and Inspections:** (Mr. Russell Kohler, MDAC BPI),
Discussion of how to make graphs, and reporting requirements and how to file reports.

9:45 BREAK (15 min.) (Time to view lab sample specimens)

10:00 AM (40 Min.) **Formosan Termites and Drywood Termites**, (Dr. Blake Layton, MSU-ES)
Special considerations on biology and control of Formosan termites and drywood termites.

10:40 AM (40 min.) **US Forest Service Termiticide Testing Program**, (Dr. Guy Shelton, USFS)
Overview of US Forest Service methods and protocols for testing termiticides for US registration

11:20 (20 min.) **Termiticide Efficacy Review** (Dr. Blake Layton, MSU-ES)
Review of relative efficacy and longevity of soil-applied termiticides.

11:40 LUNCH (catered buffet lunch, Bost South Auditorium) (View lab sample specimens)

1:00 PM (45 min.) **WDIRs and Reporting** (Mr. Russell Kohler, MDAC BPI).
Information on how to perform WDIR inspections and how to conduct and complete WDIR reports

1:45 PM (45 min.) **Inspection, Conducive Conditions and Causes of Failures** (Dr. Blake Layton, MSU-ES)

2:30 (30 min) **Evaluation and Recertification** (Dr. Blake Layton and Mr. Russell Kohler)
(Last chance to view lab sample specimens).