



Termite University

February 27 - 28, 2023

Bost Extension Center, Mississippi State University

MSU Extension Service, MDAC, Bureau of Plant Industry
and Mississippi Pest Control Association



MISSISSIPPI STATE UNIVERSITY™
EXTENSION

Monday, February 27, 2023:

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 in the state.

Biology portion focuses on 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?"

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

Tuesday, February 28, 2023:

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 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.) **Control of Wood-destroying Fungi**, (Dr. Kevin Ragon, MSU-ES)

2:30 PM (45 min.) **Inspection, Conducive Conditions and Causes of Failures** (Dr. Blake Layton, MSU-ES)

3:15 (30 min) **Evaluation and Recertification** (Dr. Blake Layton and Mr. Russell Kohler)
(Last chance to view lab sample specimens).

Have a safe trip home!