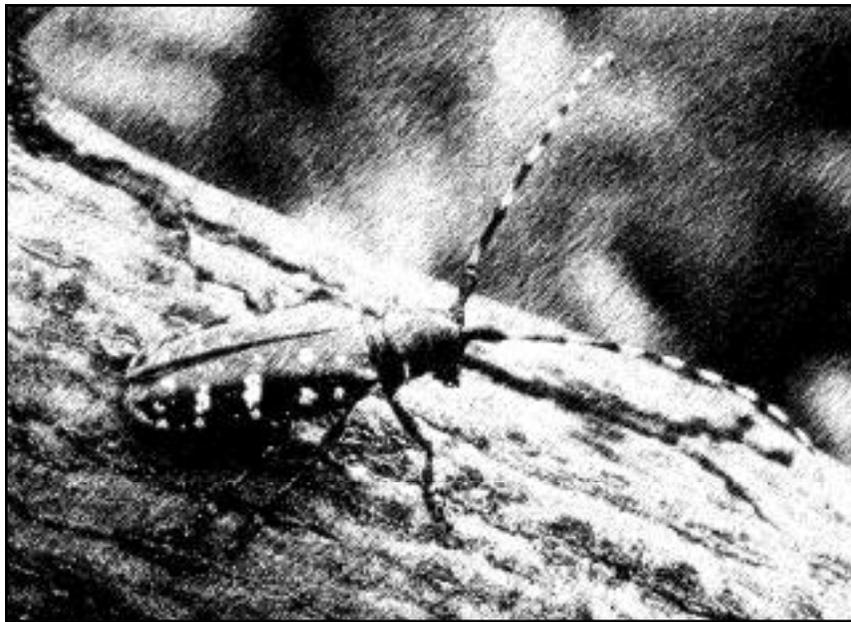


TRAINING RESOURCE MODULES -

MANAGING THE ASIAN LONGHORNED BEETLE IN THE NORTHEAST

Ver. 1.0



*Training Curriculum Materials for the
Identification of the Asian Longhorned Beetle*

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United States
Department of Agriculture

Forest Service

Northeastern
Area



Module C: Decision Table for Identification of the ALB

Materials

- 27. ALB Decision Table
- 28. Transparency of ALB Decision Table
- 29. Overhead projector
- 30. Extension cord
- 31. Specimen Beetle

Goal

To provide participants with an easy-to-use method for identifying the Asian Longhorned Beetle.

Objectives

At the end of this module participants will be able to:

- 4. Use a basic decision table for beetle identification;
- 5. Instruct others how to use the table.

Activities

PRESENTATION: Decision table introduction and practice.

WORKSHEET: Mini-quiz on 5 FAQ's.

FIELD EXERCISE: Practice use of decision table using ALB samples.

Module Length: 0.5 hour

Module C: Decision Table for Identification of ALB

ACTIVITY 1: Presentation

The use of a systematic procedure to assist in the identification of the Asian Longhorned beetle makes it easier to correctly confirm an occurrence of the beetle with confidence. By using a standardized decision table, identification work in the field can be simplified, without discounting accuracy. This will increase efficiency and will enable the timely confirmation of beetle outbreaks.

Using the Decision Table for Identification of the ALB, work through each of the questions, answering 'yes' or 'no' to each question. You will note that most of the questions relate to specific characteristics of the beetle. All of the information contained in the decision table relates directly to the information on the ALB ID cards.

ACTIVITY 2: Inside Lab

The sample specimens of the adult ALB should be used as a sample during this exercise, which will test your skill in correctly utilizing the decision table.

Take the time to review the table, keeping in mind that this tool will be one of the most useful that you will use in the field. It may seem like an overly simple tool, but its effective use requires careful examination of the beetles and a thorough understanding of the adult beetle's physical characteristics.

While looking at a sample adult ALB, review the decision table, taking time to answer each question. Keep in mind that you may be faced with many 'similar' species of adult beetles when you are working in the field.

ACTIVITY 3 Mini-Quiz on Use of ALB Decision Table

A 5-question mini-quiz is provided to test your skill at using the decision table for ID of the ALB. Take 5 minutes to complete the quiz.

Module C Mini-Quiz
Decision Table for Identification of ALB

32. You have been asked to examine a beetle suspected of being an Asian Longhorned Beetle. The beetle that is given to you by a homeowner is $\frac{3}{4}$ " , has antennae that are alternating black and white bands that are $\frac{1}{2}$ as long as the insect's body, which is black and marked with irregular white flecks. Is it an ALB?
33. Another beetle is handed to you. It is dark black with irregular white flecks. The beetle is $\frac{5}{8}$ " long with antennae that are $\frac{1}{2}$ as long as the insect's body. Is it an ALB?
34. You are examining a tree, and a 1" long, bronzy- black beetle with long antennae is staring you right in the face. The antennae are as long as the beetle's body and alternate with black and white bands. Is the beetle an ALB?
35. 4. If you answer 'no' to any of the questions on the decision table, does this mean that the beetle that you are examining is likely an ALB?
36. If you answer 'yes" to all of the questions on the decision table, does this mean that the insect that you are examining is definitely an ALB?