

IPM CURRICULUM FOR CARPENTERS

LOW-RISK INTEGRATED PEST MANAGEMENT TRAINING

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INSTRUCTION UNITS IN THIS LESSON PLAN:

1. The IPM policy, what it does, what not to do, your role in policy implementation, how to activate pest management help, expectations from Pest Management Technicians.
2. Wood-working skills - tight fitting corners, joints - enclosures, around pipes, wires, etc.
3. Use Borate treated wood - protected from termites, wood-boring insects, carpenter ants, wood rot, mold, fire retardant.
4. Observation and reporting.

PERFORMANCE OBJECTIVES:

Unit #	Objective of Performance	Importance	Learning Difficulty
1	Know policy, understand roles in policy implementation and know how to get low-risk pest management help.	Very Important	Moderate
2	Woodworking skills are important in excluding pests from structures. Tight fitting joints, corners, enclosures and around pipes, wires or non-wood fixtures.	Very Important	Easy
3	Know that Borate treated wood is protected from termites, wood boring insects, carpenter ants, wood rots, molds and is fire retardant. To be applied at dried-in stage by Pest Management Technicians.	Important	Easy
4	Be able to observe and report evidence of rodents, termites, carpenter ants, wood borers, wood rot and molds.	Very Important	Moderate

KEY:

IMPORTANCE:

Very important, important, not too important

OBJECTIVE OF PERFORMANCE:

Must know, be familiar, have knowledge, understand, perform, Demonstrate, etc.

LEARNING DIFFICULTY:

Difficult, Moderate, Easy, Moderate to Very Difficult

CARPENTER LESSON PLAN

PREPARATION DATE: May 9, 2008

PREPARED BY: William E. Currie

UNIT OF INSTRUCTION: Low-risk IPM Policy Implementation

TITLE OF LESSON: Policy, roles and pest management help, woodworking skills; treated wood; observation and reporting.

INSTRUCTIONAL OBJECTIVE: Know the IPM policy, roles in implementation and how to get pest management help. Understand importance of woodworking skills in excluding pests. Know the importance of using Borate-treated wood whenever possible. Be able to observe (recognize) and report evidence of pests.

TIME ALLOTTED FOR LESSON: 3 hours

METHOD OF INSTRUCTION: Lecture, guided discussion

INSTRUCTIONAL RESOURCES: Manual, overhead transparencies, slides, wood examples, pest mounts

A/V EQUIPMENT: Flip chart, PPT, slide projector, overhead projector, screen

GENERAL PLAN OF PRESENTATION: Self introduction, student introductions, policy development and features. Attendees will understand roles in implementation, how to get pest management help, woodworking skills, benefits of Borate-treated wood, evidence of rodents, termites, carpenter ants, wood borers, wood rot and molds.

INTRODUCTION: Names and roles of instructors, student introductions. Why are we here? Implementation of low-risk pest management policy. Why a policy? What does it do? Everyone has a role in the policy's implementation.

EXPLANATION/APPLICATION/PRESENTATION:

1. Your woodworking skills are important in excluding pests from school structures. You provide tight-fitting joints, corners, enclosures and around pipes, wires or non-wood fixtures.
2. Borate-treated wood has many advantages: protected from termites, carpenter ants, wood borers, wood rot and molds, and is fire retardant.
3. You will be able to recognize evidence of rodents, termites, carpenter ants, wood borers, wood rots and molds.

CONCLUSIONS/SUMMARY: Low-risk pest management requires dedication and may be tedious and time-consuming when performed correctly. A thorough understanding of why such procedures are so important frequently imparts a degree of significance to even the most mundane task. You have an important role in excluding pests and reporting pest evidence you observe.

CARPENTER LESSON PLAN UNIT ONE

COURSE DESCRIPTION: Low-Risk Integrated Pest Management Implementation
 SUBJECT MATTER: Policy, Roles, How to Activate Pest Management Help
 UNIT OF INSTRUCTION: Unit 1: Lecture, PPT or Overhead Transparencies, 30 minutes

INSTRUCTIONAL PROCEDURE:

No.	Instructional Sequence (Tasks)	Instruction Method (Performance)	Learning Difficulty
1	Policy, history, implementation	Lecture, PPT, overheads	Easy
2	What's different, IPM definition, do's, precautionary principle, approved product list, notification, posting, emergency approval, training	Lecture, PPT, overheads	Easy
3	Don'ts, only licensed Pest Management Technicians apply pesticides, remove harborage (clutter), no BAN, phase out pesticides over time	Lecture, PPT, overheads	Moderate
4	Roles, sanitation, no food, pest-proof food storage, eliminate clutter, observation and reporting, teach others	Lecture, PPT, overheads	Moderate
5	Reportable conditions, pest sighting, pest evidence, droppings, gnawings, webbing, fecal focal points, scattered trash, etc.	Lecture, PPT, slides, display	Difficult
6	Facilities Manager, point of contact, may examine situation, call to report, information directed to appropriate office	Lecture, PPT, overheads	Easy
7	Expectations, pest management technicians respond, emergencies that day, thorough inspection and monitoring	Lecture, PPT, overheads	Easy
8	Low-risk pesticide application, follow-up, repair structural defects, prevent pest access	Lecture	Easy
9	Basics of IPM: exclusion, sanitation, habitat modification, inspection, monitoring, low-risk pesticides, records	Lecture	Moderate

INSTRUCTIONAL SEQUENCE: What comes first, chronological order
 METHOD OF INSTRUCTION: Lecture, demonstration, performance, discussion

CARPENTER LESSON PLAN UNIT TWO

COURSE DESCRIPTION: Low-risk Integrated Pest Management Implementation
 SUBJECT MATTER: Woodworking Skills
 UNIT OF INSTRUCTION: Unit 2: PPT or slides, lecture, 30 minutes

INSTRUCTIONAL PROCEDURE:

No.	Instructional Sequence (Tasks)	Instruction Method (Performance)	Learning Difficulty
1	Wood working skills very important to exclude pests from structures.	Lecture	Easy
2	Tight fitting joints, corners and enclosures.	Lecture, PPT or slides	Easy
3	Tight fitting seals around pipes, wires and non-wood fixtures.	Lecture, PPT or slides	Easy

CARPENTER LESSON PLAN UNIT THREE

COURSE DESCRIPTION: Low-Risk Integrated Pest Management Implementation
 SUBJECT MATTER: Borate Treated Wood
 UNIT OF INSTRUCTION: Unit 3: PPT, slides, lecture, 45 minutes

INSTRUCTIONAL PROCEDURE:

No.	Instructional Sequence (Tasks)	Instruction Method (Performance)	Learning Difficulty
1	Wood protection by Borate solutions	Lecture - Slides	Easy
2	Pretreat wood or treat at dried-in stage by pest management technicians. Needs coordination and timing.	Lecture - Slides	Easy

INSTRUCTIONAL SEQUENCE: What comes first, chronological order
 METHOD OF INSTRUCTION: Lecture, demonstration, performance, discussion

CARPENTER LESSON PLAN UNIT FOUR

COURSE DESCRIPTION: Low-Risk Integrated Pest Management Implementation
SUBJECT MATTER: Observation and Reporting
UNIT OF INSTRUCTION: Unit 4: Slides, lecture, hands-on, 1 hour 15 minutes

INSTRUCTIONAL PROCEDURE:

No.	Instructional Sequence (Tasks)	Instruction Method (Performance)	Learning Difficulty
1	Evidence of rodents	Lecture, slides, hands-on	Easy
2	Evidence of termites	Lecture, slides, hands-on	Easy
3	Evidence of carpenter ants	Lecture, slides, hands-on	Easy
4	Evidence of wood boring insects	Lecture, slides, hands-on	Easy
5	Evidence of wood rot and mold	Lecture, slides, hands-on	Easy

INSTRUCTIONAL SEQUENCE: What comes first, chronological order
METHOD OF INSTRUCTION: Lecture, demonstration, performance, discussion