

IPM CURRICULUM FOR PAINTERS

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. Basic concepts of low-risk IPM: exclusion, sanitation, habitat modification, behavior changes.
3. Caulking for pest exclusion, sanitation and habitat modification.
4. Surface coatings as moisture management.
5. Surface coatings as sanitation measures.
6. Observation and reporting.

PERFORMANCE OBJECTIVES:

Unit #	Objective of Performance	Importance	Learning Difficulty
1	Know the IPM policy and their role in its implementation.	Very Important	Moderate
2	Understand the three basic principles of low-risk IPM (exclusion, sanitation, habitat modification).	Important	Moderate
3	Importance of caulking.	Very Important	Moderate
4	Surface coatings that prevent moisture penetration.	Important	Easy
5	Surface coatings that are easy to clean for good sanitation.	Important	Easy
6	Recognize evidence of pest presence and know how to report it.	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

PAINTER LESSON PLAN

PREPARATION DATE: May 9, 2008

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UNIT OF INSTRUCTION: Low-risk IPM Policy Implementation

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

INSTRUCTIONAL OBJECTIVE: Painters will understand the IPM policy and basic IPM concepts, and their important role in its implementation; along with being able to recognize evidence of pest presence and report it.

TIME ALLOTTED FOR LESSON: 3 hours

METHOD OF INSTRUCTION: Guided discussion, demonstration and performance

INSTRUCTIONAL RESOURCES: Manual, caulk material, DAP information, handouts

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

GENERAL PLAN OF PRESENTATION: Introductions – why are we here? Attendees will understand the IPM policy and their roles in implementation, basic concepts of IPM (exclusion, sanitation, habitat modification), caulking, surface coatings for moisture management and sanitation, observation and reporting, and recognition of pest presence.

INTRODUCTION: Names and roles of instructors, student introductions. Reasons for the low-risk pest management policy. What does it do? Understand their role in the implementation of the policy.

EXPLANATION/APPLICATION/PRESENTATION:

1. Guided discussion on basic concepts of low-risk IPM: exclusion, sanitation, habitat modification, and how painters can help.
2. Guided discussion on the use of caulk and other materials for sealing cracks and crevices.
3. Demonstrate good and best caulking practices.
4. Guided discussion on surface coatings for moisture management and sanitation measures.
5. Guided discussion and slides of various pests, evidence that painters may encounter, and how to report the information.

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. Painters have important roles in the implementation of the low-risk pest management policy by protecting structures from moisture invasion, providing sanitary surfaces that are easily cleaned, reducing pest harborage in cracks and crevices, and reporting pest evidence.

PAINTER 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

PAINTER LESSON PLAN UNIT TWO

COURSE DESCRIPTION: Low-risk Integrated Pest Management Implementation
SUBJECT MATTER: Basic Low-Risk IPM Concepts: Exclusion, Sanitation, Habitat Modification
UNIT OF INSTRUCTION: Unit 2: Guided Discussion – 20 minutes

INSTRUCTIONAL PROCEDURE:

No.	Instructional Sequence (Tasks)	Instruction Method (Performance)	Learning Difficulty
1	Low-risk pest management is different – less reactive and more preventive.	Guided discussion	Easy
2	Exclusion – the first line of defense keeping pests out.	Guided discussion	Easy
3	Sanitation – removal of food and water – the second line of defense.	Guided discussion	Easy
4	Habitat modification – the third line of defense.	Guided discussion	Easy

PAINTER LESSON PLAN UNIT THREE

COURSE DESCRIPTION: Low-Risk Integrated Pest Management Implementation
SUBJECT MATTER: Caulking for Excluding Pests from Cracks and Crevices
UNIT OF INSTRUCTION: Unit 3: Lecture, Guided Discussion – 45 minutes

INSTRUCTIONAL PROCEDURE:

No.	Instructional Sequence (Tasks)	Instruction Method (Performance)	Learning Difficulty
1	Caulking for sealing joints and cracks and crevices.	Guided discussion	Easy
2	Selection of caulks for different surface materials: wood, metal, brick, etc.	Guided discussion, handouts	Moderate
3	Caulking methods for deeper penetration and sustained protection.	Demonstration, performance	Moderate

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

PAINTER LESSON PLAN UNIT FOUR

COURSE DESCRIPTION: Low-risk Integrated Pest Management Implementation
 SUBJECT MATTER: Selection of Surface Coating to Prevent Moisture Penetration
 UNIT OF INSTRUCTION: Unit 4: Guided Discussion, Lecture – 20 minutes

INSTRUCTIONAL PROCEDURE:

No.	Instructional Sequence (Tasks)	Instruction Method (Performance)	Learning Difficulty
1	Surface coatings have an important role in preventing moisture penetration.	Lecture	Easy
2	How do we determine the proper surface coating for protection from moisture?	Guided discussion	Easy
3	Moisture protection of surfaces is very important in IPM.	Lecture, demonstration	Easy

PAINTER LESSON PLAN UNIT FIVE

COURSE DESCRIPTION: Low-risk Integrated Pest Management Implementation
 SUBJECT MATTER: Painters Provide Surface Coatings to Allow Cleaning
 UNIT OF INSTRUCTION: Unit 5: Lecture, Guided Discussion – 20 minutes

INSTRUCTIONAL PROCEDURE:

No.	Instructional Sequence (Tasks)	Instruction Method (Performance)	Learning Difficulty
1	Painters provide surface coatings that will be repeatedly cleaned and sanitized.	Lecture	Easy
2	What properties are required of surface coatings to be sanitized?	Guided discussion	Easy
3	How do we select surface coatings for critical sanitary surfaces?	Guided discussion, handouts	Easy

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

Painter Lesson Plan Unit Six

COURSE DESCRIPTION: Low-risk Integrated Pest Management Implementation
 SUBJECT MATTER: Recognize Evidence of Pest Presence and Report
 UNIT OF INSTRUCTION: Unit 6: Lecture, Slides, Demonstration – 45 minutes

Instructional Procedure:

No.	Instructional Sequence (Tasks)	Instruction Method (Performance)	Learning Difficulty
1	How to report evidence of pest presence, observation and reporting.	Lecture, guided discussion	Easy
2	Occasional invaders: ants, wasps, bees, cockroaches, etc.	Lecture, PPT, slides	Easy
3	Wood-destroying organisms: termites, carpenter ants, wood borers, fungus, wood rots, rodents	Lecture, PPT, slides, demonstration	Easy

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