

ACE-International Pesticide Safety Content Outline

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Domain #1	Understanding pesticides and control methods (20% of the exam)
Skill #1	Understand differences between pesticides
	Types of pesticides
	Methods of identifying pesticides (e.g., common name, chemical name, etc)
	Understand modes of action (MOA)
	Define and classify pesticides
	LD50, LT50, and LC50 concepts
Skill #2	Understand insecticide formulations
	Terms used in formulation
	Choosing the proper formulation
	Strengths and limitations of various formulations
Skill #3	Follow best practices for pesticide use
	Know when pesticide use is appropriate based on other aspects of your IPM program
	Explain IPM to customers and others
	Appropriate record keeping
	Understand Insecticide resistance
Domain #2	Using pesticides and other control methods (40% of the exam)
Skill #1	Use the proper equipment
	Application equipment
	Inspection and monitoring equipment
	Personal protection equipment (PPE)
	Pest-proofing equipment
Skill #2	Read and understand the label
	Find information on a label
	Signal words
	Parts of the label
	Hazard communication (e.g. , SDS)
Skill #3	Apply pesticides
	Selecting pesticides
	Filling and mixing pesticides
	Equipment calibration
	Calculate coverage area needs
	Environmental considerations
Skill #4	Communicate with the customer
	Dangers of pesticides
	Pest tolerance
Domain #3	Pesticide Safety and Exposure (40% of the exam)
Skill #1	Understand pesticide exposure risks
	Risks to the applicator and others
	Risks to nontarget animals and the environment
	Acute and chronic toxicity
	Recognize symptoms of pesticide exposure and poisoning
	Routes of entry
	Appropriate response to exposure
Skill #2	Handle pesticides appropriately
	Use pesticides safely
	Store pesticides safely
	Transport pesticides safely
	Proper disposal of pesticides and containers
Skill #3	Manage spills
	Proper responses to a spill
	Safety precautions related to spills
	Minimizing and avoiding spills
	Notification protocol for spills