

Fumigation Exam Development Subcommittee

Test Plan Development

I. Safety

- a. Personal Safety
 - i. Assess the risk
 - ii. Understand and Apply Safety Precautions
 - iii. Understand use of PPE
 - iv. Recognized the signs and symptoms
 - v. Understand routes of entry
- b. Public and Environmental Safety
 - i. Understand proper pesticide storage
 - ii. Understand methods of preventing
 - iii. Understand emergency
 - iv. Understand appropriate and timely use

II. Laws and Rules

- a. Recognize Regulating Authorities
 - i. Environmental Protection Agency (Label Driven)
 - ii. Arizona Department of Transportation (Label Driven)
 - iii. Occupational Safety Health Administration
 - iv. Office of Pest Management
- b. Arizona Revised Statutes and Arizona Administrative Code
 - i. Certification Requirements
 - ii. Duties of a Certified Applicator
 - iii. Duties of a Qualified Applicator
 - iv. Renewal Requirements
 - v. Disciplinary Actions
 - vi. Record Keeping, reporting, and posting requirements
 - vii. Vehicle Identification
- c. Labels
 - i. Vikane
 - ii. Fumitoxin
 - iii. ProFume

III. Inspection, Detection, and Identification

- a. Know identification, biology, and behavior of General Pests
 - i. Differentiate among and within GHP and WDO
 - ii. Differentiate commonly fumigated GHP and WDOs
 - iii. Differentiate damage and other evidence associated with different types of GHP and WDOs
 - iv. Identify habitats of different GHP and WDOs
 - 1. Identify WDO food source preferences
 - 2. Identify moisture requirements
 - v. Understand life cycles and biology of different GHP and WDOs

IV. Prevention and Control Measures

- a. Understand Pesticide label requirements, including, but not limited to:
 - i. Active Ingredients and different formulations
 - ii. Application Rates
 - iii. Frequency of re-application
 - iv. Factors affecting or limiting effectiveness
 - v. Understand equipment calibration
- b. Understanding Principles and Use of Application Equipment
- c. IPM
 - i. Recognize nonchemical treatments and types (heat, electro-gun, etc.)
 - ii. Recognize environmental sensitive and high-risk areas
 - iii. Recognize alternate application equipment and use
- d. Labels
 - iv. Vikane
 - v. Fumitoxin
 - vi. ProFume

Resources – Truman’s Scientific Guide to Pest Management Operations – 7th Edition; [Vikane Label \(EPA Reg. No. 1015-78\)](#); [Fumitoxin Label \(EPA Reg. No. 72959-1-5857; 72959-2-5857\)](#); [ProFume Label \(EPA Reg. No. 1015-79\)](#); [Arizona Revised Statute Title 3 Chapter 20](#); [Arizona Administrative Code Title 3 Chapter 8](#); [National Pesticide Applicator Certification Core Manual](#)