

Fumigation

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. Pest Management Division

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

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
 - 1. Differentiate damage and other evidence associated with different types of GHP and WDOs
 - 2. Identify habitats of different GHP and WDOs Identify WDO food source preferences
 - 3. Identify moisture requirements
- iii. 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

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V. Pesticide Label & Labeling

- a) Vikane
- b) Fumitoxin
- c) ProFume

Resources:

- [Arizona Revised Statute Title 3 Chapter 20 & Arizona Administrative Code Title 3 Chapter 8 – Pest Management Division](#)
- [National Pesticide Applicator Certification Core Manual](#)
- 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 \(EPA Reg. No. 1015-79\)](#)