



Training for 20 fire fighters on Structural fumigation skills program (SAQA unit standard 116301, 9058, 8168, 1233756) (NQF 4)

Plant, Pest & Diseases skills program has been developed to enable the pest control operator to become proficient in weed control procedures. This skills programme has been designed to be used in commercial, industrial and road shoulders, railway lines, substation environments , fire stations and Working for Water programs. (The Plant, Pest & Diseases program is based on **SAQA unit standard 116301, 9058, 8168, 1233756**

Training Information

The skills program deals with the following elements:

1. Inspection Procedures
2. Identification of Weeds and Declared invaders
3. Selection of Herbicides / Weed Killers
4. Selection and Calibration of Equipment
5. Safety precautions
6. Application techniques
7. Monitoring procedures
8. Clean up procedures

The student will have access to training course where the manual format training material is set out in training segments per subject theme. This manual is complimented with a whole host of training videos especially produced to show all the practical elements needed to come to grips with the subject material. For every training segment the learner will complete the required workbook and this will be submitted automatically on line as well.

For any Customer- or Account-Service related matter, please contact us through the Call 0605733455 by e-mail on tshedzatshangal@gmail.com ,

Course Content

SECTION 1: LEARNER NOTES

1. Definition and classification of pesticides in terms of type and grouping.
2. Health and nuisance pests – general
3. The identification of health and nuisance pests
4. Sensitive or special accounts
5. Food handling establishments
6. Control methods for non-food establishments
7. Introduction to the Occupational Health and Safety Act

SECTION 2: LEARNING MAP

SECTION 3: DEFINITION AND CLASSIFICATION OF PESTICIDES IN TERMS OF TYPE AND GROUPING

1. Introduction
2. The RSA classification code
 1. Pesticide labels
 2. Classification according to Target Pest
 3. Classification, Properties and Products

SECTION 4: HEALTH AND NUISANCE PESTS – GENERAL

1. Introduction
 1. Communication
2. Principles of Pest Control
 1. Health & Nuisance Pests
 2. Pest Identification
 3. Pest Control
 4. Pest Control Goals
 5. Threshold Levels
 6. Pest Monitoring
 7. Avoiding Harmful Effects
3. Diseases Caused by Pest-borne Pathogens
 1. Pests and Public Health

2. Carriers and Vectors
 3. Poison Irritation and Allergy
 4. Pests and Diseases
 5. Diseases Encountered on the Job
 6. Recommended PPE
 7. Integrated Pest Management
 8. Pest Control Failures
4. The IPM Concept
 1. Definition of Integrated Pest Management (IPM)
 2. Origin of the term IPM
 3. Development of the IPM concept
 4. Structural IPM in an Urban Environment
 5. Moving away from pesticides
 6. Attributes of IPM programme
 5. Advantages of integrating a range of control methods

SECTION 5: INTRODUCTORY CONCEPTS IN THE STUDY OF INTEGRATED PEST MANAGEMENT (IPM)

1. The Ecological Basis of Pest Management
 1. Introduction
 2. Definitions
 3. Biological Growth Potential of Insects
 4. Pest Control
 5. Economic Injury Level
2. Industry Trends and Protocols that impact on IPM
 1. Trends and debate
 2. Using Pesticides
 3. Using Pesticides

SECTION 6: PUBLIC RELATIONS

1. General Guidance
2. Acceptance of Slow-Acting Controls
3. Structural Modifications
4. Surveillance
5. Tolerance of Occasional Low-Level Sightings

6. Sanitation

SECTION 7: GENERAL STEPS IN IPM

1. The Six Steps of the IPM Process

1. Understanding and Educating the Customer
2. Analyzing the Pest Problem
3. Taking Short-Term Corrective Action
4. Implementing Long-Term Preventive Action
5. Monitoring, Documenting and Evaluating Results
6. Getting Back to the Customer

2. Summary

SECTION 8: TREATMENT SELECTION

1. IPM Control Principles

1. Cultural Control
2. Mechanical and Physical Control
3. Biological Control
4. Chemical Control

2. Selecting Treatment Strategies

1. Criteria for selecting treatment strategies
2. Timing treatments
3. Spot Treatments
4. Summary of available treatment options
5. How to select a Pesticide for an IPM Programme
6. Pesticide Use Guidelines

3. Other Miscellaneous IPM procedures

1. Solid Waste Management
2. Sealing and Exclusion
3. Lighting

SECTION 9: THE IDENTIFICATION OF HEALTH & NUISANCE PESTS

1. Health Pests (Vectors & Parasites)

1. Cockroaches
2. Rodents
3. Mosquitoes
4. Flies

5. Fleas
 6. Ticks
 7. Bed Bugs
2. Nuisance Pests
 1. Ants
 2. Birds
 3. Snakes
 4. Bats

SECTION 10: SENSITIVE OR SPECIAL ACCOUNTS

1. Introduction
2. Commercial Food Establishments
3. Electronic Equipment
4. Schools and Day Care Centres
5. Hospitals and Related Accounts
 1. The Obvious Concerns
 2. Responsible IPM in Hospitals

SECTION 11: FOOD HANDLING ESTABLISHMENTS

1. General
 1. PRP-GMP-HACCP
 2. Summary
 3. How does HACCP Affect Pest Control?
 4. HACCP “ Pest Control House Rules
 5. Food Manufacturing Quality Control
 6. The PCO’s Role in Food Handling Establishments
2. Control Methods “ Industrial / Manufacturing / Warehousing
 1. Stored Product Insect Control
 2. Flying Insect Control
 3. Cockroach Control
 4. Bird Control
 5. Rodent Control
 6. A Quick Guide
3. Control Methods – Commercial Establishments
 1. Introduction

2. Pest Management in Retail Food Stores

SECTION 13: INTRODUCTION TO THE OCCUPATIONAL HEALTH AND SAFETY ACT NO. 85 OF 1993

1. Introduction
2. Exploring key concepts
3. Regulatory and enforcement policies
4. Understanding the responsibilities of all involved
 1. The Business Owner or Chief Executive Officer as the Employer
 2. Line Management (Supervisors) as representatives of the Employer
 3. Duties or responsibilities of employees
5. Duties or responsibilities of health and safety representative structures
6. Moving beyond duties and responsibilities
7. Safe work practices
 1. Work Safely
 2. General Chemical Safety Guidelines
 3. Flammables
 4. Spill Response
 5. Safe storage practices
 6. Hazardous waste – Think Twice Before You Dump It
 7. Mind your back
 1. General principles of first aid
 2. Step-by-step CPR instructions 253
 3. Be prepared “ take precautions
2. Pollution and the Environmental Impact
 1. Pollution
 2. The Environment

Yours faithfully
Tshedza Tshashu Industries

