



IPM Certification Examination for Public Works

STUDY GUIDE

The IPM Certification exam is a 60-minute closed book exam with 50 multiple-choice questions based on the following documents:

- **IPM Manual for Public Works** - Ontario Vegetation Management Association, 2019, revised April 1, 2022
- *Ontario Regulation 63/09* (O. Reg. 63/09) under the **Pesticides Act**
- **Integrated Pest Management Certification Program for Public Works (Ontario) Policies and Procedures** - IPM Council of Canada, April 2022

This Study Guide is created to assist in focusing on the basic topics and concepts on which the exam has been designed to test your knowledge.

Questions will be based on material found in the three documents listed above, with emphasis on the following sections.

IPM MANUAL FOR PUBLIC WORKS - OVMA revised April 1, 2022

CHAPTER 3 Integrated Pest Management for Public Works - An Overview

- 3.1 Integrated Pest Management (IPM)
- 3.2 Integrated Vegetation Management (IVM) and Public Works
 - 3.2.1 Strategies for Successful IVM Programs
 - 3.2.2 Definition of Public Work

CHAPTER 4 Components of IPM for Public Works

- 4.1 Pest Prevention
- 4.2 Pest Identification
- 4.3 Monitoring
- 4.4 Establishing Pest Action Thresholds
- 4.5 Pest control methods
- 4.6 Evaluation

CHAPTER 5 Integrated Vegetation Management (IVM) for Public Works

- 5.1 Vegetation Management Planning and Communications
 - 5.1.1 Site Design Considerations
 - 5.1.2 Site Evaluation
- 5.2 Compatible Vegetation Management
- 5.3 Total Vegetation Control
 - 5.3.1 Long-term Total Vegetation Control
 - 5.3.2 Short-term Total Vegetation Control
- 5.4 Selective Vegetation Control

CHAPTER 6 Applying IVM in Specific Public Works Sectors

- 6.1 Transportation
 - 6.1.1 Railways
 - 6.1.2 Highways and Roadways
 - 6.1.3 Airports and Helipads
- 6.2 Energy
 - 6.2.1 Power Line & Pipeline Rights of Way
 - 6.2.2 Generation Sites
- 6.3 Communication Facilities
- 6.4 Wood Pole treatment

CHAPTER 7 Communications

- 7.1 Internal Communications
- 7.2 External Communications
 - 7.2.1 Project Planning and Communications
 - 7.2.2 Communications Prior to Work

CHAPTER 8 Control Methods

- 8.1 Cultural Control
 - 8.1.1 Compatible Vegetation Management
 - 8.1.1.1 Selective Management
 - 8.1.1.2 Establishment and Natural Regeneration
 - 8.1.2 Zoned Vegetation Management
- 8.2 Biological control
 - 8.2.1 Allelopathy
 - 8.2.2 Antagonistic Organisms
 - 8.2.2.1 Insects
 - 8.2.2.2 Diseases
- 8.3 Physical Controls
 - 8.3.1 Removal by Hand
 - 8.3.2 Mowing
 - 8.3.3 Cultivation
 - 8.3.4 Cutting
 - 8.3.5 Girdling
 - 8.3.6 Mulches and Barriers

- 8.4 Mechanical Controls
 - 8.4.1 Mowing
 - 8.4.2 Grubbing and Cultivating
 - 8.4.3 Excavating
 - 8.4.4 Tree Cutting
 - 8.4.5 Precautions
 - 8.4.5.1 Cleaning of Equipment to Prevent Spread of Invasive Plants
- 8.5 Chemical Control
 - 8.5.1 Modes of Action
 - 8.5.2 Tank Mixtures
 - 8.5.3 Application Methods
 - 8.5.3.1 Broadcast Applications – Liquid and Granular
 - 8.5.3.2 Stem Brush Treatments
 - 8.5.4 Wood Pole Treatments
 - 8.5.6 Precautions

ONTARIO REGULATION 63/09

Section 2 – Classification of Pesticides

Section 19 – Annual Reports

Section 21 – Promotion of Public Health or Safety: Public Works

INTEGRATED PEST MANAGEMENT CERTIFICATION PROGRAM FOR PUBLIC WORKS (ONTARIO) POLICIES & PROCEDURES – IPM Council of Canada, April 1, 2022