

Training Approach

The course combines:

- ✓ Practical demonstrations at horticulture fields and nurseries
- ✓ Hands-on sessions in irrigation, transplanting, and pest scouting
- ✓ Classroom-based theory with charts and visual aids
- ✓ Field-based group activities
- ✓ Market-focused production planning

Participants complete the training with **practical confidence** in full-cycle vegetable production.

Accommodation & Meals

All trainees are provided accommodation and meals under **CICE**, ensuring a comfortable and supportive environment throughout the course.

Why Choose This Course?

- Comprehensive hands-on training
- Expert instructors with field experience
- Access to ZCA demonstration farms
- Certificate of Completion
- Useful for farmers, agribusiness owners, co-operatives, and extension workers

Nursery establishment and seedling production



Contact details and location:

For further details, contact the Principal through the following:

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Location:
Southern Province
Monze District
East of Monze town
5 Km along the Monze-Chivuna road.

ZAMBIA COLLEGE OF AGRICULTURE MONZE



Horticulture Production & Crop Protection (Duration: 2 Weeks)

“Practical Skills for High-Quality Vegetable Production and Sustainable Crop Protection”



- Training for sustainable development -

Course Overview

Horticulture is one of the most profitable and rapidly expanding sectors in Zambia's agricultural industry. With the rising demand for fresh vegetables, fruits, and herbs, farmers need modern skills to increase productivity, reduce losses, and maintain crop quality.

This two-week hands-on training equips participants with **technical and practical knowledge** in horticultural crop production, nursery management, pest and disease control, and post-harvest handling.

Ideal for **farmers, youth entrepreneurs, cooperatives, extension officers, agribusiness investors**, and learners interested in vegetable production.

■ Modules Covered

1. Introduction to Horticulture

Overview of horticultural crops, economic importance, value chains, and opportunities in Zambia's market.

2. Site Selection and Land Preparation

Teaches how to select appropriate land based on soil type, drainage, slope, and access to water. Includes ploughing, bed preparation, and soil amendment practices.

3. Nursery Establishment and Seedling Production

Participants learn seed sowing, potting mix preparation, greenhouse/nursery structures, seedling management, pricking out, and hardening-off.

4. Transplanting Techniques

Proper spacing, transplant timing, watering, shading, and root handling to ensure high seedling survival and uniform crop establishment.

5. Irrigation and Crop Nutrition

Covers watering schedules, nutrient requirements, fertilizer application (organic & inorganic), fertigation, and soil moisture management.

6. Introduction to Crop Pests and Diseases

Overview of major pests (aphids, cutworms, caterpillars) and diseases (blight, rot, mildew) affecting horticultural crops.

7. Integrated Pest Management (IPM) Basics

Participants learn preventative, monitoring, and control strategies combining cultural, biological, mechanical, and safe chemical methods.

8. Mechanical & Cultural Pest Control Methods

Includes crop rotation, mulching, staking, sanitation, hand-picking pests, weed control, and trap cropping.

9. Safe Use of Pesticides

Emphasis on PPE, correct mixing, application, re-entry intervals, calibration, disposal of containers, and environmental protection..



10. Post-Harvest Handling

Harvest timing, washing, grading, packaging, and storage to maintain freshness and reduce losses.

