

## VEGETABLES: From Seed to Table and Beyond

### Course objectives

- The 36th International Vegetable Training Course (IVTC) will prepare participants to increase incomes and nutrition through sustainable development of the vegetable sector.
- IVTC will build capacity of participants in research and development activities including biodiversity, germplasm conservation, seed production and health, pest and disease diagnostics, IPM, protected cultivation, postharvest, GAP and GMP, food safety, value chain analysis, nutrition, climate change, extension, project development, monitoring and evaluation

### Who should attend?

Professionals working in agricultural extension, research and development who want to enhance their knowledge and skills.

### Training method

- Blend of theory and practice: lectures, class exercises, laboratory demonstrations and field visits to seed companies, farmers, value chain actors and markets.
- IVTC is taught in English by experts from World Vegetable Center, Kasetsart University, other universities in Thailand and around the world, international organizations and the private sector.
- At the end of each module, participants will develop and present an action plan adapted to the needs of their home countries.

### Accommodation

Participants will be housed in single apartments close to the training venue with air-conditioning, en suite, refrigerator, TV, balcony, and free Internet.

### Course fee\*

2 separate modules can be taken singly or in combination:

- One module: USD 4,000
- Two modules: USD 7,500

\* Fee covers tuition, board & lodging, course materials, transportation, accident / travel insurance in Thailand, field visits and tourist weekend tours; cultural and shopping.

\*\* Please note that scholarships are currently not available.

### Comments from previous participants



*"It is the best training I've ever attended, especially because of the warm hospitality of WorldVeg. The lecturers were great and came from different backgrounds and countries."*

**Ussama Atallah, Agricultural Engineer,  
Service of Economic and Marketing,  
Ministry of Agriculture (Lebanon)**

*"I had the opportunity to learn new technologies and knowledge from the course."*

**Hnin Hnin Nwe, Senior Research Assistant,  
Department of Agricultural Research (DAR),  
Yezin, Nay Pyi Taw (Myanmar)**



*"Helpful and great experiences from both lectures and laboratory practicals."*

**Tiua Ieremia, Assistant Agricultural  
Officer, Ministry of Environment, Lands  
and Agricultural Development  
(Republic of Kiribati)**

*"Lecturers are very supportive and professional. I truly learned a lot from them."*

**Christine Hellen Chidaya, Agricultural  
Extension Methodologies Officer,  
Ministry of Agriculture, Irrigation and  
Water Development (Malawi)**



**For further information,  
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**World Vegetable Center**



**36<sup>th</sup> IVTC** INTERNATIONAL VEGETABLE  
TRAINING COURSE

**From Seed to Table and Beyond**

**9 October to 1 December 2017**

In partnership with:



**USAID**  
FROM THE AMERICAN PEOPLE



IVTC is endorsed by the International Society for Horticultural Science (ISHS) and USAID Horticulture Innovation Lab

# MODULE I: *Seed to Harvest*

9 October - 3 November 2017

## Week 1: Biodiversity, Breeding, Seed systems, Integrated Pest Management (IPM)

- Conservation of plant genetic resources
- Breeding and seed quality systems
- Identification of major vegetable pests
- Advances in IPM for key crops

## Week 2: Grafting, Protected Cultivation, Integrated Disease Management (IDM)

- Grafting
- Protected cultivation
- Management of fungal and viral diseases
- Judicious pesticide use

## Week 3: Seed Health, Seedling Management, IDM

- Advances in seedling management
- Seed health testing
- Symptom Diagnoses
- Management of bacterial and nematode diseases

## Week 4: Sustainable Production, Good Agricultural Practices (GAP)

- Supply of high quality seed
- Irrigation
- Integrated soil, water and nutrient management
- GAP principles and practices
- Development Action Plan Presentations

**Application deadline:**  
18 September 2017



**International  
Vegetable  
Training  
Course**



# MODULE II: *Harvest to Table*

6 November - 1 December 2017

## Week 1: Postharvest Care

- Biology of postharvest losses
- Respiration, ripening and microbial control
- Cooling, storage and packaging
- Quality and standard controls

## Week 2: Food Safety, Nutrition, Good Manufacturing Practices (GMP)

- Wholesale market operation
- Chemical and biological contaminants
- Food processing and nutritional quality
- GMP principles and practices

## Week 3: Nutrition, Value Chain and Market Analysis

- Nutrient values and interventions
- Nutrition and basic health
- Value chain analysis
- Market assessment and information systems

## Week 4: Extension, Scaling, Monitoring and Evaluation

- Scaling methods and extension approaches
- Capacity building and participatory feedback
- Data collection and management
- Climate change, monitoring and evaluation
- Development Action Plan Presentations

**Application deadline: 16 October 2017**