

VEGETABLES: From Seed to Table and Beyond

Course objectives

The 34th International Vegetable Training Course (IVTC) of AVRDC - The World Vegetable Center will enhance technical, scientific and managerial skills. This new knowledge will empower participants to contribute to the sustainable development of their respective countries through the increased production and consumption of nutritious and health-promoting vegetables. The training emphasizes practical and advanced technologies for vegetable production, postharvest, extension and awareness raising, human health and nutrition and market access and opportunities. The influence of emerging global development issues will be addressed. Pathways to reduce hunger and poverty by increasing food security and nutrition, and improving livelihoods will be presented, along with methods to sustain progress through careful management of natural resources, the environment, and commercial incentives. The course is endorsed by the International Society for Horticultural Science (ISHS) and Horticulture Innovation Lab Regional Center at Kasetsart University.

Who should attend

Researchers and extensionists from national and international agricultural research institutes, universities, nongovernmental organizations, and policymakers.

Training method

Capacity will be enhanced through a carefully crafted blend of theory and practice; lectures, demonstrations, hands-on technology exposure, individual exercises, laboratory and field sessions, visits to actors along the vegetable value chain and through group discussions. Participants will be engaged in a weekly Vegetable Farmer Field School, specifically designed for IVTC, and at the end of each module, will develop and present an action plan. All modules are in English and resource staff are selected based on their key expertise and experience from current and past AVRDC staff, Kasetsart University, Thailand's Department of Agriculture and Agricultural Extension, Mahidol University, University of California - Davis, The Pennsylvania State University, University College Dublin, Southeast Asia Rural Social Leadership Institute Xavier University Philippines, Climate Risk Management Asian Disaster Preparedness Center, CropLife Asia, and key representatives from the financial, agribusiness and private sector.

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*

Modules can be taken singly or as a whole. The corresponding fees are as follows:

- | | |
|--|-----------|
| • One module (any of the three modules): | USD 2,400 |
| • Two modules (any combination): | USD 4,500 |
| • Three modules (full course): | USD 6,600 |

* Covers tuition, board and lodging, course materials, local transportation and in-country accident and health insurance.

AVRDC does not provide scholarships and recommends applicants seek financial support from research and development donor agencies.



Comments from previous participants

"IVTC was very important for me as it helped me to better deliver rural community development programs."

Myo Min Aung, Terre des Homes Italia (Myanmar)



"This training widened my perspective by providing more new knowledge on vegetable production, human nutrition and global development issues."

Lilian Teano, Bureau of Plant Industry (Philippines)

"The best part of IVTC was the diverse practical activities which provided opportunities for networking."

Nurul Atilia Shafienaz Binti Hanifah, Malaysian Agricultural Research and Development Institute (Malaysia)



"I was particularly happy with the sessions on research methods, communication and extension, and how to develop capacity building programs which I will use on returning home."

Rangga Ditya Yofa, Indonesian Center for Agriculture Socio Economics and Policy Studies (Indonesia)

For further information and application forms, please contact

**AVRDC - The World Vegetable Center
East and Southeast Asia**

P.O. Box 1010 (Kasetsart), Bangkok 10903, Thailand

Tel: +66 (0)2 942-8686 / 8687

Fax: +66 (0)2 942-8688

E-mail: info-eastasia@worldveg.org



AVRDC

The World Vegetable Center

14 September to 4 December 2015



34th International Vegetable Training Course

**AVRDC - The World Vegetable Center
East and Southeast Asia**

Research and Training Station
Kasetsart University, Kamphaeng Saen Campus
Nakhon Pathom, Thailand

In partnership with:





MODULE I: From Seed to Harvest

14 September - 9 October 2015

Overview of the key components of integrated vegetable production within the framework of Good Agricultural Practices (GAP). Relevant technologies on seed production, plant health and agronomic practices will be highlighted and mechanisms to transfer these to farmers emphasized.

Week 1: Germplasm Conservation, Seed Health and Seedling Management

Focus on public, private and community seed banks and how to ensure multiplied seed is kept free of pest and diseases. Capacity provided to identify seed-borne diseases for seed quarantine, production, and storage purposes.



Week 2: Breeding Methods and Screening of Varieties

Focus on vegetable breeding and varietal testing. Training in statistics will help participants to design and assess agricultural research and development technologies. Essential

components of vegetable production to satisfy GAP protocols demonstrated through visits to GAP certified farms.

Week 3: Integrated Disease Management

Focus on identification of major vegetable diseases (caused by bacteria, fungi, nematodes and viruses) and methods for their control, including grafting and judicious pesticide use.



Week 4: Integrated Pest Management

Focus on identification of major vegetable pests (insects and weeds) and integrated methods for their control including mulching, protected cultivation and biological control approaches.

Application deadline: 14 August 2015

MODULE II: From Harvest to Table

12 October - 6 November 2015

Insight provided on awareness raising and harvesting and postharvest technologies within the framework of Good Agricultural and Manufacturing Practices, and the economics of vegetable production, improved nutrition and marketing to improve access and consumption of vegetables.

Week 1: Good Agricultural and Manufacturing Practices (GAP/GMP)



Focus on the essentials components of GAP/GMP. Field trips to retail and wholesale markets enable participants to interact with vegetable farmers, market vendors and buyers.

Week 2: Postharvest Technologies

Focus on both low-cost and advanced postharvest technologies e.g. for appropriate packaging and design. Food safety issues highlighted, including how to reduce pesticide residues.

Week 3: Human Nutrition and Health

Focus on interventions for improved nutrition and health of rural and urban consumers through increased awareness, access, and consumption of nutritious, diverse, and safe vegetables. Home, community and school gardens will be addressed.



Week 4: Linking Producers with Consumers

Focus on economic analysis of vegetable production and marketing systems. Field trips will expose participants to successful private vegetable production and marketing sites in Thailand.

Application deadline: 12 September 2015

MODULE III: Sustainable Development

9 November - 4 December 2015

Knowledge on how vegetable research and commercialization contributes to sustainable developments and how to conceptualize and implement verifiable research and development activities.

Week 1: Approaches to Sustainable Development

Focus on the fundamentals of effective leadership, community development, co-operatives, extension and communication, microfinance, and gender issues.

Week 2: Environment and Natural Resources

Focus on methods to manage natural resources, including soil, nutrients and water, and climate resilient vegetable production systems.

Week 3: Proposal Writing, Monitoring & Evaluation

Focus on proposal writing, project monitoring and evaluation and communication to different stakeholders. Tools shared on how to assess outcome and impact of interventions.



Week 4: Research and Development Plan

Focus on development and presentation of a country- and topic-specific action plan to include activities, outputs, verifiable indicators, outcomes, impact and communication strategies.



Application deadline: 9 October 2015