

Organic vegetable growing (Organic Horticulture Master Science; 1-st academic year, 1-st semester)

Credit value (ECTS): 10

Course category: mandatory

Course holder:

Prof. Vasile Stoleru. PhD

Discipline objectives (course and practical works)

The course aimed at preparing the students from Organic Horticulture master regarding the module of the cultivation of Solanaceae species, onion group of; cabbage group under environmental conditions from our country.

Acquiring knowledge on the specific technological practices: choice of cultivar, land preparation, crop setting, care works, harvesting, labeling and marketing of organic vegetable production for Solanaceae, onion and cabbage groups.

Contents (syllabus)

Course (chapters/subchapters)
Organic growing of solanaceae species for fruits: tomato, peppers and eggplants.
Organic growing of onion plants group: onion, garlic, leek, other onion plants.
Organic growing of cabbage group: white cabbage, red cabbage, broccoli, cauliflower, kale, kohlrabi, Brussels cabbage, Chinese cabbage, other cabbage plants.
Organic growing of cucurbitaceae plants: cucumber, watermelon, melon, pumpkin, squash
Organic growing of leaf vegetables: lettuce, spinach, leaf cichory, other leaf vegetables

Practical works
Knowledge of the technical-material from organic vegetable production
Organizing the land for the organic vegetables
Establishment of organic vegetable crops in autumn
Conversion program for organic vegetables
Procurement and preparation of organic seed and biological material
Production of seedlings in organic vegetable system: onion and cabbage groups, solanaceae etc
Vegetable seedling care works in organic system

Bibliography

Calin Maria, 2005 – Ghidul recunoa terii i controlul d un torilor plantelor legumicole cultivate în agricultur biologic . Editura Tipoactiv, Bac uDejeu L., Petrescu C., Chira A., 1997 - Horticultura si protectia mediului. Editura Didactica si Pedagogica, Bucuresti.

Harsimran Kaur Gill, Gaurav Goyal, Ugur Gozel, Cigdem Pojar-Fenesan, Ana Balea, Than-Danh Nguyen, Chi-Hien Dang, Cong-Hao Nguyen, Chan Im, Vasile Stoleru, Vincenzo Michele Sellito, Yelitzia Coromoto Colmenárez, Carlos Vásquez, Natalia Corniani, Javier Franco, Tomislav Curkovic, Vladimir Puza, Zdenek Mracek, Ji í Nermut , 2016 – *Integrated Pest Management (IPM): Environmentally Sound Pest Management, Chapter 2: Pest Control in Organic Systems*, Editura Intech.

Sattler W., Eckard V. W., 1994 – Ferma biodinamic . Editura Enciclopedic , Bucure ti.

Stoian L., 2005 – Ghid practic pentru cultura biologic a legumelor. Editura TIPOACTIV Bac u. Stoleru V., 2013 – Managementul sistemelor legumicole ecologice. Editura “Ion Ionescu de la Brad”, Ia i.

Stoleru V., 2017 – Cultura legumelor ecologice. Note de curs USAMV Ia i.

Stoleru V., Imre A., 2007 – Cultivarea legumelor cu metode ecologice, Editura Risoprint, Cluj-Napoca.

Stoleru V., Munteanu N., 2010 – Legumicultura – Îndrum tor pentru proiectarea culturilor legumicole. Editura ‘Ion Ionescu de la Brad’, Ia i.

Stoleru Vasile, Munteanu Neculai, Sellitto Michele Vincenzo, 2014 – New Approach of Organic Vegetable Systems. Aracne Publising House.

Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Course	Exam	70%
	presence	
Practical works	Tests + practical's	30%

Contact

Prof. Vasile Stoleru, PhD

Faculty of Horticulture - UASVM Ia i

3 M. Sadoveanu Alley, Iasi, 700490 postal code, Romania

Tel: 0040232407530; 0040743180275

E-mail: vstoleru@uaiasi.ro

Organic vegetable growing (Organic Horticulture Master Science; 1-st academic year, 2-nd semester)

Credit value (ECTS): 8

Course category: mandatory

Course holder:

Prof. Vasile Stoleru. PhD

Discipline objectives (course and practical works)

The course aimed at preparing the students from Organic Horticulture master regarding the module of the cultivation of root vegetables, legume group; perennial species and others under environmental conditions from our country.

Acquiring knowledge on the specific technological practices: choice of cultivar, land preparation, crop setting, care works, harvesting, labeling and marketing of organic vegetable production for root vegetables, aromatic and spicy group, legume and perennial species.

Contents (syllabus)

Course (chapters/subchapters)
Organic growing of root vegetables: carrot, parsley, parsnip, celery, redbeet root, radish, other root vegetables.
Organic growing of legume group: peas, dwarf and runner beans, broad beans.
Organic growing of perennial species: asparagus, rhubarb, tarragon, horseradish, sorrel, patience, lovage.
Organic growing of aromatic and spicy species: dill, thyme, basil, other spicy plants
Other organic vegetable species: early potato, sweet corn

Practical works
Design and management of a micro-farm in organic system
Preparing the land for setting up of organic vegetable crops
Establishment of organic vegetable crops in greenhouse and tunnel
Establishment of organic vegetable crops in the field crops
Care works applied for organic vegetable under protected and field crops
Harvesting, packaging, labeling

Bibliography

Calin Maria, 2005 – Ghidul recunoa terii i controlul d un torilor plantelor legumicole cultivate în agricultur biologic . Editura Tipoactiv, Bac uDejeu L., Petrescu C., Chira A., 1997 - Horticultura si protectia mediului. Editura Didactica si Pedagogica, Bucuresti.

Sattler W., Eckard V. W., 1994 – Ferma biodinamic . Editura Enciclopedic , Bucure ti.

Stoian L., 2005 – Ghid practic pentru cultura biologic a legumelor. Editura TIPOACTIV Bac u. Stoleru V., 2013 – Managementul sistemelor legumicole ecologice. Editura ‘‘Ion Ionescu de la Brad’’, Ia i.

Stoleru V., Munteanu N., 2010 – Legumicultura – Îndrum tor pentru proiectarea culturilor legumicole. Editura ‘‘Ion Ionescu de la Brad’’, Ia i.

Stoleru Vasile, Munteanu Neculai, Sellitto Michele Vincenzo, 2014 – New Approach of Organic Vegetable Systems. Aracne Publising House.

Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Course	Exam	70%
	presence	
Practical works	Tests + practical's+project	30%

Contact

Prof. Vasile Stoleru, PhD
Faculty of Horticulture - UASVM Ia i
3 M. Sadoveanu Alley, Iasi, 700490 postal code, Romania
Tel: 0040232407530; 0040743180275
E-mail: vstoleru@uaiasi.ro