

PROTECTION OF THE SEED CROPS AND FROM NURSERY PLANTATION

(Specialization Protection of Seed Crops and Nursery Plantation Courses, 2nd Year of study, 1st Semester)

Credit value (ECTS): 8

Course category: Further study

Course holder: PhD. Mihai TALMACIU

Discipline objectives (course and practical works):

The course in the Protection of Seed Crops and Nursery Plantation Courses, taught at the Master, specializing in the production of seeds and horticultural planting material, aims to provide students with up-to-date information on the theoretical and practical methods used in integrated pest and global pest control, but also in our country, in the seed crops and orchards and vineyards planting material.

Contents (syllabus)

Course (chapters/subchapters)
I. The distribution, description, biology, ecology, pest management and measures for integrated prevention and control of pests and pathogens in cruciferous seed crops
1.1. <i>Podonta dogestanica</i> Reit. (flower beetle); <i>Omophlus protaeus</i> Kirsch .; <i>Colophelus sophiae</i> Scholl. (Blue cabbage beetle); <i>Evergestis estimalis</i> Scop (seed moth); <i>Evergestis forficalis</i> L. (cabbage seed moth);
II. The distribution, description, biology, ecology, pest management as well as measures for the integrated prevention and control of the pests and pathogens, from a plant seed crops of the family Liliaceae.
2.2. <i>Crioceris duodecempunctata</i> L. (dotted asparagus beetle).
III. The distribution, description, biology, ecology, the pest management as well as measures for the integrated prevention and control of pests and pathogens, from a plant seed crops of the Polygonaceae family.
3.3. <i>Acronicta rumicis</i> L. (sorrel owl); <i>Contarinia acetosellae</i> Rules (mosquito of sorrel flower buds); <i>Jaapiella rubicundula</i> Rules (sorrel flower mosquito).
IV. The distribution, description, biology, ecology, pest management as well as measures for the integrated prevention and control of the pests and pathogens from plant seed crops in the Solanaceae family.
4.4. <i>Helicoverpa armigera</i> Hbn. (buha of fruits); <i>Heliothis peltigera</i> Den and Schiff. (solanaceous buha).
V. The distribution, description, biology, ecology, pest control and measures for integrated prevention and control of the pests and pathogens, from plant seed crops of the Rosaceae family.
5.5. <i>Eriophyes ribis</i> Nal. (mite of currant buds); <i>Macrosiphum rosae</i> L. (the green louse of the rose); <i>Ophonus rufipes</i> De Geer (strawberry beetle); <i>Byturus tomentosus</i> F. (raspberry tomentos beetle).
VI. Integrated pest and pathogen control in plantation of orchards and vineyards nurseries.

Practical works
1. Recognition of the pests and pathogens from cruciferous seed crops.
2. Recognition of the pests and pathogens from plant seed crops of the Liliaceae family.
3. Recognition of the pests and pathogens from plant seed crops of the Polygonaceae family.
4. Recognition of the pests and pathogens from plant seed crops of the Solanaceae family.
5. Recognition of the pests and pathogens from plant seed crops of the Rosaceae family.
6. Recognition of pests and pathogens in orchards and vineyards nurseries

Bibliography

1. Teodosie Perju, 1999 - Pests of fruiting bodies and integrated control measures. Ceres Publishing House Bucharest
2. Teodosie Perju, 2002 - Pests of fruiting bodies and integrated control measures. Pres-Cluj-Napoca Academic Publishing House
3. T. Baicu, A. Savescu, 1986 - Integrated control systems for diseases and pests on crops. Ceres Publishing House Bucharest
4. Teodosie Perju, 1999 - Pests of fruiting bodies and integrated control measures. Ceres Publishing House Bucharest
5. E.Ulea, 2003 - Phytopathology. Ion Ionescu Publishing House from Brad, Iași.

Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Course	Knowledge and understanding of the notions included in the course	70%
Seminar / Ip	Practice using information sources, preparing and presenting papers	30%

Contact

PhD. Mihai TALMACIU

Faculty of Horticulture, IULS Iași

Alley Mihail Sadoveanu no. 3, Iași, 700490, Romania

Phone: 0232407442

E-mail: mihai.talmaciu@iuls.ro