

AGRICULTURAL PHYTOSANITARY CONTROL (Horticulture, master PP, .I.th Year of study, .II.th Semester)

Credit value (ECTS): 5

Course category: optional

Course holder: Lecturer dr. Bădeanu Marinela

Discipline objectives (course and practical works)

- knowledge of the main groups of animal pests (invertebrates and vertebrates);
- knowledge methods and techniques used to control plant;
- Track and implementation stages of pest risk assessment and establishing methods to prevent and combat; -knowledge interspecific relations between the animal and plants grown in the agro-ecosystems.

Contents (syllabus)

Course (chapters/subchapters)
1.The concept of preventing and combating diseases and pests in plants
2 . Plant Organ ability for control of crop protection products and control equipment
3. The verification standard and related terminology plant cultures.
4. Record pests in various crops. Evidence: compilation and interpretation.
5. Estimation pests: pest economic threshold limits allowed. Ecological parameters of the species
6. vVctors, detection and limiting their action.
7. Classification of the reaction of plants to pathogens and pests
8. Quarantine and plant health legislation
9.Weather and warning
10. Prepare record sheet.
11. List of species considered quarantine pests and plant pathogens sheets
12. Importance of biological pathogens and pest monitoring
13. The principles of monitoring the various species of pathogens and pests of quarantine
14. Draw up a plan for monitoring steps for a species of plant quarantine

Practical works
1. Economic damage threshold.
2. Biological examples, preparation
3. Ecological parameters: dominance and consistency of calculation of the species in agricultural ecosystems
4. The plant control in crops of cereals
5. Control of the corn plant in plant protection
6. The control in crops of sugar beet plant
7. The control in fruit growing

8. Phytosanitary control in viticulture
9. Phytosanitary control in protected areas
10. Phytosanitary control in crops flower
11. Phytosanitary control in vegetable
12. Phytosanitary control in parks and gardens
13. Phytosanitary certificate presentation, drawing, legislation of a culture
14. Plant Guide: presentation elements. Preparation, recipients.

Bibliography

1. Valentin Brudea, 2007, Combaterea biologică în managementul integrat al insectelor dăunătoare cu referire specială la ecosistemele silvice, Editura Universității Suceava.
2. Paraschiv I și colab, 2008, Combaterea integrată a patogenilor și dăunătorilor la principalele culturi de câmp, Editura Sitech Craiova;
3. Voica Nicolae și colab, 2006, Agricultură ecologică, Editura Universitaria Craiova.

Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Course	Exam	75%
	presence	
Practical works	Tests + cours and practical	25 %

Contact

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