

Tárgytematika / Course Description**Animal pests in agriculture****MENB_NTTA022****Tárgyfelelős neve /****Teacher's name:** Ledóné dr. Ábrahám Rita**Félév / Semester:** 2022/23/2**Beszámolási forma /****Assesment:** Vizsga**Tárgy heti óraszám /****Teaching hours(week):** 2/1/0**Tárgy féléves óraszám /****Teaching hours(sem.):** 0/0/0**OKTATÁS CÉLJA / AIM OF THE COURSE**

During the course, students learn about the pests that are dangerous to our cultivated plants. We describe the main types of mouth parts, the symptoms and damage that appear on the plants. We review the prediction capabilities of pests and ways to control them. The aim of the course is that during the plant protection activity the students can safely separate the most important pests and their larvae. To this end, we prepare students for insect detection during practical classes.

TANTÁRGY TARTALMA / DESCRIPTION**Presentations:**

- Introduction, description of subject requirements
- Insect body morphology, types of mouth parts
- Insect reproduction, individual development
- Possibilities of pest monitoring
- Agrotechnical, mechanical-physical control options against pests
- Chemical pest control
- Biological pest control
- Writing a test
- Pests of cereals
- Pests of maize
- Pests of rapeseed and sunflower
- Pests of sugar beet and potatoes
- Pests of alfalfa
- Pests of peas and soybean

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESSMENT'S METHOD

The condition for signing is participation in lectures and exercises and the writing a test. The subject closes with an oral exam. The condition for admission to the exam is the passing of the practical exam (insect recognition with scientific name).

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

Recommend literature:

1. The main is the PPT on lectures
- 2.: R. M. Kerruish – P. W. Unger (2010): 1-224 Plant Protection 1, Pests, Diseases, and Weeds. Fourth edition. 1-224 pp
3. C. Gillot (2005): Entomology. Third edition. Published by Springer.
External structure: 57-89 pp.
Postembryonic development: 623-650 pp
Pest control: 743-775 pp.
4. C. C. Burkhardt: Insects pests of field crops: MP28 University of Wyoming College of Agriculture
1-15 pp
5. entomology.ca.uky.edu.: Entomology at the University of Kentucky, Pest of field crops