

**PECULIARITIES OF THE STUDY OF PHYTOPHAGES THAT  
DOMINATE IN THE NORTHEAST FOREST-STEPPE  
Department of plant protection named after A.K. Mishnyov**

*Lecturer V.M. Demenko*

*Academic term*

**3**

*Higher Educational Level*

**post-graduate student (Ph.D)**

*Number of ECTS credits*

**4,0**

*Form of control*

**credit**

*Audit hours*

**88 (44 hrs. of lectures, 44 hrs. of practical classes)**

**A general description of the discipline**

The program of the course "Peculiarities of the Study of Phytophages that dominate in the North-eastern Forest-Steppe" aims to help students to acquire knowledge in the morphological, biological features of the dominant species of phytophages in the north-eastern forest-steppe of Ukraine, to deal with the economic levels of harmful influence on crops and cultivation methods.

The course consists of the following parts: Polygonal rectangular, hard-winged, winged. Pests of cereals, legumes, sugar beets. Pests of industrial and vegetable crops. Pests of fruit, berry crops, grain and products of its processing.

Students' knowledge of the discipline and other related disciplines indicates the level of qualification of graduate students in the direction 202 "Plant Protection and Quarantine".

**Topics of lectures:**

1. Polygonal rectangular. 2. Polygonal solid wings. 3. Bitten scoops. 4. Leaf-scooping scoops. 5. Multi-coloured lights. 6. Sucking pests of cereals. 7. Coleopteran pests of cereals. 8. Winged and gingival pests of cereals. 9. Pests of annual legumes. 10. Pests of perennial legumes. 11. Hard-winged, sucking and sweeping pests of sugar beet. 12. Potato pests. 13. Pests of sunflower, flax and hemp. 14. Pests of cabbage crops. 15. Pests of onion, umbrella, pumpkin crops. 16. Pests of vegetable crops of protected soil. 17. Fruits and leaf pests of fruit crops. 18. Pests of generative organs and skeletal branches. 19. Raspberry and strawberry pests. 20. Pests of currant and gooseberry. 21. Grape pests. 22. Pests of grain and products of its processing

**Topics of practical classes:**

1. Determination of multifaceted pests of a number of squirrels. 2. Determination of multifaceted pests of a number of Coleopteran. 3. Identification of the most common types of gnawing and leaf-scooping. 4. Determination of bow and stem butterflies. 5. Determination of sucking pests of cereals. 6. Determination of hard-wing pests of cereals. 7. Determination of bipedal and gingival pests of cereals. 8. Determination of pests of annual legumes. 9. Determination of pests of perennial legumes. 10. Determination of hard-wing pests of sugar beet. 11. Determination of sucking and passing pests of sugar beet. 12. Identification of specialized potato pests. 13. Identification of pests of sunflower and flax. 14. Identification of cabbage pests. 15. Determination of pests of onion, umbrella, pumpkin crops. 16. Determination of pests of vegetable crops of protected soil. 17. Determination of species composition of succulent and leaf-borne pests of fruit crops. 18. Determination of species composition of pests of generative organs and skeletal branches of fruit crops. 19. Identification of pests of raspberries and strawberries. 20. Identification of pests of currant and gooseberry. 21. Identification of pests of grapes. 22. Determination of collar pests.