

What you will read in issue 10/2020 of the journal "Plant Protection"

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See which topics are current in this issue.

In the last issue of the journal „Plant Protection” for 2020, the main topic is the benefits and significance of „ecosystem services”.

The proper functioning of ecosystems is due to the providers of these services, who are often an integral part of ensuring clean drinking water, waste decomposition, natural pollination of crops and other plants.

The widespread application of agricultural practices, especially those related to plant protection, does not take into account the possible effects on the environment. Treatments with pesticides, without taking into consideration the population density of pests, are often unnecessary, and with the destruction of a small number of pests, their natural enemies – predators and parasites, as well as pollinators, are inevitably destroyed as well. The balance is disturbed and recovery is slow and difficult. Recognizing the importance of ecosystem services, the EU finances large-scale projects and introduces regulations in support of their conservation. One such scientific project, funded under the Horizon 2020 programme – EcoStack, aims to develop and support ecologically, economically and socially sustainable agriculture through the use and protection of functional biodiversity, thereby also supporting the providers of ecosystem services. The project involves 24 partner institutions from 13 countries, including the Agricultural University in Plovdiv.

Enjoy your reading!

Here is what else we present to you in this issue:

Main topic

V. Kharizanova – Ecosystem services – the benefits we do not know enough about

V. Kharizanova – Agriculture in support of the providers of ecosystem services. Balancing productivity and biological diversity in agricultural systems

Biostimulants

A. Vasilev et al. – Physiological evaluation of the effects of biostimulants and foliar fertilizers on agricultural crops

Vegetable crops

Ts. Dincheva – Agronomic approaches in organic production

Wheat

D. Markova – Attention: a hidden threat to wheat!

Quarantine

B. Katinova – New pests threaten Europe's vineyards

Readers' questions

Do plants have an immune system?

Does coriander get sick?

How can we control pests in the home garden without chemicals?

Are root-knot nematodes dangerous for potatoes?

Is it possible to get rid of the mole rat and the mole?

Events

*** – The new Academy „Agricultural Education and Science”: Roadmap with creative policies and practices

*** – Winery „DiVes Estate” added another medal to its collection from the most prestigious wine competition „Decanter”

Traffic light

D. Aleksandrova, P. Ivanov – In the orchard

S. Masheva et al. – In the vegetable garden

V. Yankova et al. – Potatoes – storage and damage to tubers in potato stores

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