

# Agricultural Science and Practice

3 • 2015

## Contents

“Ukrainian soil properties” database and its application <i>T. N. Laktionova, V. V. Medvedev, K. V. Savchenko, O. N. Bigun, S. G. Nakis'ko, S. N. Sheyko</i>	3
The features of microbiota isolated from the honeycombs with affected bee brood <i>O. M. Yaroshko, M. S. Halata, V. V. Shepelevych, L. G. Stepura, L. M. Grytsenko, N. V. Yavorska, V. M. Svyatetska, S. I. Voychuk, T. M. Yefimenko</i>	9
Reactions of physiological systems in the organisms of rats to feeding with low and high doses of germanium “nanoaquacitrate” <i>R. S. Fedoruk, O. P. Dolaychuk, I. I. Kovalchuk, M. M. Tsap</i>	15
The impact of allochthonous fish skin secretions on the <i>Erysipelothrix rhusiopathiae</i> pathogenic bacteria <i>O. V. Hulai, O. M. Zhukorskyi, V. V. Hulai, N. P. Tkachuk</i>	22
Preliminary results of the optimization of biogas production at the biogas station of the national research institute of animal production in Grodziec Śląski – Kostkowice <i>K. Węglarzy, Yu. Shliva, B. Matros, G. Sych</i>	26
Influence of copper, cobalt and iodine microelements on the exchange of <sup>137</sup> Cs in the cows organisms at different physiological states <i>B. S. Prister, V. P. Slavov, V. N. Bidenko</i>	33
The state and prospects of hop-growing industry in the conditions of eurointegration <i>T. Yu. Priymachuk, T. Yu. Sytnikova, A. V. Protsenko, T. A. Shtanko</i>	42
Regeneration of plants from gynogenetic carrot calluses <i>T. I. Vitsenia, O. F. Sergiyenko</i>	49
Specificities of changes in the concentrations of heavy metals in milk thistle ( <i>Silybum marianum</i> (L.) Gaertn.) <i>O. I. Rudnyk-Ivashchenko, L. M. Mykhal'ska, V. V. Schwartau</i>	55
Humus state of chernozem at different ways of tillage in the agrosystems of the left-bank forest steppe of Ukraine <i>O. V. Demydenko, V. A. Velychko</i>	61
Contents of Volume 2, 2015	77

---