

## CONTENTS

<b>AGRICULTURE, CROP PRODUCTION, VEGETABLE AND MELON GROWING.....</b>	<b>3</b>
<b>Alekseeva. O.M., Yudytska I.V.</b> Productivity of different varieties of peach in the conditions of Southern Steppe of Ukraine.....	3
<b>Voitovyk M.V.</b> The quality of winter wheat grain depends on fertilizer and tillage of the soil.....	12
<b>Ivasyk M.V.</b> Formation of productivity of new soybean varieties in the conditions of the Forest Steep .....	19
<b>Karshivska U.M., Hryhoriv Ya.Ya., Turak O.Yu., Hromyak I.P.</b> The effect of fertilizer on the productivity of <i>Phacelia pygmaeus</i> ( <i>Phacelia Tanacetifolia</i> Benth.) in the conditions of Precarpathia.....	25
<b>Kononenko Yu.M.</b> Evaluation of the collection of spring barley varieties for resistance to powdery mildew collection spring barley .....	32
<b>Korkhova M.M., Pafilova A.V.</b> The influx of weather influences on the graininess of the ear and the grain yield of varieties of wheat and winter wheat .....	38
<b>Likhovid P.V.</b> Prediction of cereal crops yields in Kherson region using spatial monitoring data .....	46
<b>Mashchenko Yu.V., Sokolovska I.M.</b> Buckwheat productivity depends on fertilizer system and seed inoculation with biopreparation .....	54
<b>Myronova Yu.O.</b> Characteristics of the manifestation of alternariosis of <i>Calendula officinalis</i> in the conditions of the Forest Steppe of Ukraine .....	63
<b>Nevmerzheritska O.M., Plotnitska N.M., Gurmanchuk O.V.</b> Assessment of the efficiency of fungicides in the soybean protection system .....	71
<b>Okselenko O.M., Nazarenko M.M.</b> Reduction of life activity for winter wheat varieties under the action of epimutagen.....	77
<b>Ostapenko N.O.</b> Yield of winter garlic from aerial bulbs with application of mineral fertilizer in the Right Bank Forest Steppe of Ukraine.....	85
<b>Polischuk V.O., Zhuravel S.V.</b> The influence of fertilization systems and foliar fertilization in interphase periods on the growth and development of potato plants .....	92
<b>Pravdyva L.A.</b> Output and balance of nutrient elements in crops of <i>Sorghum bicolor</i> ( <i>L.</i> ) <i>Moench</i> depending on the application of mineral fertilizers .....	98
<b>Revto O.Ya., Zolin O.O.</b> Specificity of growing soybean under conditions of climate change (a review article).....	105
<b>Sinchenko V.M., Furman P.V.</b> The duration of the vegetation and interphase periods of growth and development of common bean plants depends on the applied technological growing measures .....	113
<b>Sichkar A.O., Vishnevskaya L.V., Rogalsky S.V.</b> Plant residues of mixed crops as a factor in improving the nutrient regime of the soil.....	122
<b>Stankevych M.Yu., Zabrodina I.V., Stankevych S.V.</b> Morphobiological features of nematodes of the species <i>Ditylenchus destructor</i> Thorne, 1945 .....	126
<b>Stankevych S.V., Matviienko V.M., Zabrodina I.V.</b> Analysis of market capacity and the main operators of plant protection products in Ukraine in 2017–2018. Part 2: export.....	133

<b>Stelmakh O.M., Kyforuk I.M., Hryhoriv Ya.Ya., Tuts L.I.</b> Growing of winter rope in crop rotation short under different power supply system .....	151
<b>Stepanenko M.V., Grabovsky M.B.</b> Influence of sowing methods on the formation of 1000 grains weight in maize hybrids .....	159
<b>Ulianych O.I., Shevchuk K.M., Kovtunyk Z.I.</b> Adaptive capacity and introduction of chicory varieties salad endivy and escarole in the Southern Steppe of Ukraine .....	165
<b>Tslyiuryk O.I., Izhboldin O.O., Hulenko O.I., Paschenko N.O.</b> Yield qualities of hazelnut varieties in the zone of unstable moisture .....	173
<b>Chaika T.O., Liashenko V.V., Khomenko B.S.</b> The impact of seed inoculation on soybean yield under organic cultivation technology.....	180
<b>Shepel A.V.</b> Economic and energy efficiency of tomato growing depending on the background of plant nutrition and densification in Southern Ukraine.....	187
<b>ANIMAL HUSBANDRY, FEED PRODUCTION, STORAGE AND PROCESSING OF AGRICULTURAL PRODUCTS .....</b>	
<b>Bernatsky A.O., Borshchenko V.V.</b> Diets balancing by amino acids to improve dairy feeding efficiency: a review.....	194
<b>Vedmedenko O.V.</b> The influence of the type of feeding on the meat productivity of the black African ostrich during its industrial farming.....	200
<b>Kalinka A.K.</b> Forecasting the productivity of the new population of the Bukoviny zonal type meat komolo simmental using the pedigree in the conditions of the footland zone of the Bukoviny region.....	206
<b>Kalinka A.K., Lesyk O.B., Tomash L.V.</b> Selective improvement of a new population of the Bukovyn zonal type of meat komolo simmental livestock in the conditions of the Carpathian region of Ukraine.....	215
<b>Karpenko O.V., Danyliv I.O.</b> Formation of quality in the production of meat loaves in the conditions of private enterprises in the South of Ukraine .....	226
<b>Karpenko O.V., Ivashko B.R.</b> Ways to restore broiler meat production for farms in Southern Ukraine .....	232
<b>Kochuk-Yashchenko O.A., Kucher D.M., Leonec S.O., Gladyschuk I.V., Marynenko D.Yu.</b> Formation of weight of cows in different calving seasons in organic and conventional herds .....	238
<b>Onishchenko A.O., Maslov V.I.</b> Development of design and technological innovations for industrial production of pork with elements of organic pig farming.....	245
<b>Reznichenko V.P., Kolomiets L.V., Kornicheva H.I.</b> Influence of microfertilisers on seed productivity of alfalfa in the Steppe of Ukraine .....	251
<b>Chernyshov I.V.</b> The use of animal husbandry processing waste as a nutritional supplement in the cultivation of mushrooms .....	257
<b>Chudak R.A., Nedashkivskiy V.M., Kryvyi M.M., Tsap S.V., Umanets R.M., Balanchuk L.V., Koroban M.P.</b> Growth, feed utilization and hematological indicators of carp ( <i>Cyprinus carpio</i> ) when fed with glutamate .....	264
<b>Yashchuk I.V.</b> Accumulation of Pb in the muscle tissue of feeding animals using different diets .....	271

<b>MELIORATION AND SOIL FERTILITY</b> .....	281
<b>Goloborodko K.K., Lovinska V.M., Sitnik S.A.</b> Effect of soil saturation on the heavy metal uptake ability of <i>Salix caprea</i> and <i>Populus tremula</i> on marginal lands.....	281
<b>Tortuck M.I., Buyanovsky A.O., Ozhovan O.O.</b> Salinity of chernozems of the Dniester region.....	287
<b>ECOLOGY, ICHTHYOLOGY AND AQUACULTURE</b> .....	298
<b>Bosyuk A.S., Shestopalov O.V., Tikhomirova T.S., Sakun A.O., Kulinich S.S.</b> SWOT-analysis using to assess the state and efficiency of intensification of multicomponent wastewater treatment at machine-building enterprises .....	298
<b>Herasymchuk L.O.</b> Military actions as a factor of waste formation.....	305
<b>Grynevych N.Ye., Khomiak O.A., Sliusarenko A.O., Pukalo P.Ya., Svitelskyi M.M., Starostenko I.S.</b> Formation of professional competences of students of the educational programs “Aquatic Bioresources and Aquaculture” at Bila Tserkva National Agrarian University.....	313
<b>Dementieva O.I., Lavrys V.Yu.</b> Creation of a project for landscaping a household plot in Holoprystan district of Kherson region.....	319
<b>Dementieva O.I., Lavrys V.Yu., Dementiev S.V., Lavrys O.Yu.</b> Peculiarities of creating a project for landscaping and improvement of preschool educational institutions in rural areas of Kherson region.....	320
<b>Zharchynska V.S., Hrynevych N.Ye.</b> Characteristics of indicators of the mineral composition of <i>Cherax quadricarinatus</i> meat feeding different types of feed.....	339
<b>Kovalov M.M., Medvedieva O.V., Mirzak T.P.</b> Agro-ecological transformation of the humus state of the black soil of the typical Bugs-Dniпровian interriver.....	345
<b>Lavris V.Yu., Dvorna A.V.</b> Implementation of vertical landscaping in the renovated post-war area of Kherson .....	353
<b>Melnysenko S.H., Bohadorova L.M.</b> Fisheries of Ukraine: trends, problems and solutions.....	362
<b>Osadcha Yu.V., Hrynevych N.E.</b> Types of feed and feed requirements for feeding <i>Acipenser ruthenus</i> in the larval stages (review) .....	368