

## CONTENTS

<b>AGRICULTURE, CROP PRODUCTION,</b>	
<b>VEGETABLE AND MELON GROWING.....</b>	<b>3</b>
<b>Bazalii V.V., Domaratskyi Ye.O., Kozlova O.P., Boichuk I.V. Bazalii H.H.</b>	
The nature of the manifestation and efficiency of using the index of linear density of the ear in the selection of winter wheat .....	3
<b>Butenko S.O., Jia PeiPei.</b> The influence of plant growth regulators on the quality of mustard seeds in the conditions of the north-eastern Forest Steppe of Ukraine .....	10
<b>Vasylenko N.Ie.</b> Peculiarities and conditions of growing <i>festuca tenuifolia</i> .....	18
<b>Holubchenko V.F., Kulidzhanov E.V., Volianskyi O.M.</b> The influence of rates and dates of ammonium nitrate fertilization on winter wheat yield and soil nitrification ability .....	25
<b>Horobets M.V.</b> The use of natural minerals and brines in the growing of spring barley under the conditions of the Forest-steppe zone of Ukraine .....	34
<b>Dudka O.A.</b> The influence of farming systems and soil tillage on its total porosity for spring wheat cultivation in the Right-Bank Forest-Steppe of Ukraine .....	40
<b>Zherebko V.M., Dykun O.V.</b> Effectiveness of two consecutive applications of reduced rates of herbicide Corum in the protection of soybean crops from weeds....	47
<b>Kovalov M.M.</b> Agrobiological features and productivity of plants <i>Diplotaxis tenuifolia</i> using biopreparations .....	56
<b>Kulidzhanov E.V.</b> Inheritance of berry color in the progeny of red berry grape varieties .....	63
<b>Lavrenko S.O., Lavrenko N.M.</b> Monitoring of varieties and hybrids of sunflower and winter wheat for cultivation in the Steppe Zone of Ukraine.....	70
<b>Laslo O.O., Olepir R.V.</b> The influence of mixtures of Vimpel-2 growth regulator and Oracle multicomplex on the yield of mid-season corn hybrids .....	79
<b>Mishchenko S.V., Marchenko T.Yu., Lavrynenko Yu.O., Tkachenko S.M.</b> Genetic control of the trait of monoeciousness of <i>Cannabis sativa L.</i> in the inbreeding process .....	85
<b>Tarasiuk V.A., Bezvikonny P.V., Potapsky Y.V.</b> Productivity of Saint-Mary-thistle agrocenosis depending on seeding dates, methods and rates in the Right-bank Forest-steppe of Ukraine .....	92
<b>Fedoruk I.V., Kolodiy V.A., Khmelianchyshyn Y.V.</b> The importance of protection system elements in soybean cultivation technology in disease control.....	98
<b>Furmanets O.A.</b> The effectiveness of liquid complex fertilizers in the cultivation of corn on sod-podzolic soils of Western Polissya .....	104
<b>Yarchuk I.I., Melnyk T.V., Musiyenko B.S.</b> The influence of polycomponent growth-regulating drugs on forming the productivity of winter durum wheat.....	111
<b>ANIMAL HUSBANDRY, FEED PRODUCTION,</b>	
<b>STORAGE AND PROCESSING OF AGRICULTURAL PRODUCTS .....</b>	<b>118</b>
<b>Varpikhovskyi R.L., Kucherenko O.M.</b> The influence of indoor microclimate and housing conditions for calves up to 8 months of age .....	118

<b>Vedmedenko O.V.</b> Evaluation of dairy productivity of cows of Ukrainian black-spotted dairy breed of different lines and breeding bulls .....	127
<b>Verbych I.V., Bratkovska G.V.</b> The influence of indoor microclimate parameters on the fattening qualities of pigs .....	134
<b>Isko O.Iu., Sychov M.Iu.</b> The influence of different levels of garlic ( <i>Allium sativum</i> ) on rabbit productivity .....	141
<b>Kramarenko A.S., Lugovoy S.I., Kramarenko S.S.</b> Fractal analysis of milk production and reproductive traits of dairy cows .....	147
<b>Lisogurska D.V., Furman S.V., Lisogurska O.V., Adamchuk L.O.</b> The indicators of quality and safety of honey during storage.....	160
<b>Mykhailenko T.U., Sychov M.U.</b> Effect of different levels of garlic ( <i>Allium sativum</i> ) in mixed fodder on laying quails .....	167
<b>Pankeev S.P.</b> Technological features of beef production in the conditions of agricultural enterprises of Kherson region .....	174
<b>Prylipko T.M., Koval T.V.</b> Adaptive changes in the properties of enzymes at different levels of milk productivity.....	183
<b>Senyk I.I., Sydoruk H.P., Horun M.V.</b> Formation of the botanical composition of perennial legume-cereal grass mixtures depending on the seeding rate.....	189
<b>Sobol O.M., Kryvyi V.V., Bokshan H.I.</b> A review of modern approaches to healthy diets for dogs and cats.....	195
<b>Sobol O.M.</b> Evaluation of the cat dry food consumption, taking into account their age, breed and gender .....	204
<b>MELIORATION AND SOIL FERTILITY .....</b>	215
<b>Nedilska U.I.</b> Agroecological aspects of forming the productivity of bioenergy crops .....	215
<b>Shvets O.</b> Features of bulk soils of the residential and recreational zone .....	219
<b>ECOLOGY, ICHTHYOLOGY AND AQUACULTURE .....</b>	226
<b>Volodymyrets V., Oytsius L., Solodka T.</b> Analysis of the species composition of the adventive flora fraction in the drained territories of Volyn Polisia .....	226
<b>Nepran I.V.</b> Current state of aquatic bioresources and fisheries of Kharkiv region.....	232
<b>Skok S.V.</b> Assessment of soil quality in the Steppe zone of Ukraine under the conditions of global climate change .....	239
<b>Stratichuk N.V., Kornienko V.O.</b> Assessment of sustainable use of natural resources in the Kherson region .....	247