

CONTENTS

AGRICULTURE, CROP PRODUCTION, VEGETABLE AND MELON GROWING.....	3
Averchev O.V., Vasylenko N.Ie. Cultivation of combed ryegrass depending on the rate of foliar fertilization with bio-gel organic microfertilizer.....	3
Averchev O.V., Yosypenko I.V., Nikitenko M.P. Economic aspects of growing and production of buckwheat, millet and rice in Ukraine.....	10
Borysenko V.V. The formation of sunflower productivity depending on the width of the row space in the conditions of the Right Bank Forest Steppe of Ukraine.....	20
Vyshnivskyi P.S., Mozharivska I.A. Features of growing energy crops on low-productivity lands of the Polissia of Ukraine	27
Voytovyk M.V. Soil porosity for sugar beet growing depends on soil tillage and the fertilizer system of crop rotation	32
Hoptsi T.I., Kravchenko A.I. Genetic potential and level of its realization in varieties and lines of naked oats in the eastern part of the Left Bank Forest-Steppe of Ukraine	38
Horschchar V.I., Nazarenko M.M. Variability by depressive effects under action of chemical mutagen for winter wheat.....	47
Grabovskyi M.B., Nimenko S.S. Formation of the height of soybean plants using organic cultivation technology	54
Dereza V.V. The effect of soil-protective technologies on soil fertility.....	63
Dolia M.M., Stefkivskyy V.M., Moroz S.Yu., Mamchur R.M., Kostrych D.V. Concept of formation and peculiarities of phytosanitary control of modern agrocenoses of Ukraine	71
Drozdova A.A., Moisiienko V.V. Fatty acid composition of <i>Nigella (Nigella L.)</i> seeds depending on species and varietal characteristics	79
Makukh Ya.P., Remenyuk S.O., Vlasenko S.I., Kopchuk K.M. Assessment of productivity of grain-beet crop rotations depending on fertilizer systems in the conditions of the Left Bank Forest Steppe of Ukraine	87
Markovska O.Ye., Dudchenko V.V., Stetsenko I.I. Influence of harmful microbiota on sow quality soybean seeds and productivity	95
Matyukha V.L. Phytosanitary status of winter wheat crops depending on the influence of pesticide tank mixtures in the Northern Steppe of Ukraine	102
Pravdyva L.A. Features of development of sorghum (<i>Sorghum bicolor (L.) Moench</i>) depending on the seeding rate.....	111
Stankeych M.Yu., Zabrodina I.V., Stankeych S.V. Quarantine species of nematodes are limited in Ukraine	119
Stotska S.V., Kotkova T.M., Klymenko T.V., Panchyshyn V.Z. Formation of productivity of new soy varieties in the conditions of the Forest-Step	132
Tkachuk O.P., Bondarenko M.I. Formation of grain yield and quality of repeated corn sowing	139
Tkachuk O.P., Viter N.H. Perspectives of the functioning of solid protective forest strips in the Vinnytsia region in the conditions of global climate change	146

Furman V.M., Moroz O.S., Lusak A.V., Solodka T.M. Study of the reaction of potatoes to the use of siderates and straw as fertilizers	153
Sharypina Ya.Yu., Borovska I.Yu., Parii Ya.F. Broomrape-induced decrease in sunflower hybrid yields.....	160
Shvydchenko K.R., Khrushcheva I.O. Microclonal reproduction of Echinacea purpurea as a way of recovering plants from diseases.....	169
Shevchuk V.V. Effect of pre-sowing seed treatment and foliar fertilization on growth processes of winter pea varieties	177
ANIMAL HUSBANDRY, FEED PRODUCTION, STORAGE AND PROCESSING OF AGRICULTURAL PRODUCTS 189	
Kalinka A.K., Lesick O.B., Tomash L.V. Meat productivity and feeding qualities of a new population of bugayts of different Bukovina zonal types of meat comolo Simmental cattle in the conditions of the Carpathian region of Bukovina	189
Kalinka A.K., Lesyk O.B., Shpak L.V. Optimization of the same type of feeding of Bugai cattle of the new generation meat Komologo Simmental in the conditions of the foothills of Bukovina	198
Pitera V.O., Otchenashko V.V. Live weight and growth of broiler chickens due to the use of yeast extract (<i>Saccharomyces cerevisiae</i>) in compound feed	206
Pitera L.V., Otchenashko V.V. The influence of sunflower protein concentrate on the hatching quality of eggs of laying quails of the meat direction of productivity ...	215
Prylipko T.M., Koval T.V. The effect of ultraviolet radiation and vitamin D for the exchange of macroergic compoundsin the body of animals	224
Prylipko T.M., Tkachuk V.P., Kostash V.B. Productive and slaughter indicators of broiler chickens of the cross with the inclusion in the diet of preparations of immuno-corrective and biocidal action	229
Savchuk I.M., Lavryniuk O.O., Borshchenko V.V., Verbelchuk T.V. The effectiveness of using silos of different composition in the diets of cattle	234
Sychov M.Yu., Kondratyuk V.M., Umanets D.P., Ilchuk I.I., Holubieva T.A. Indicators of productivity of young rabbits with different sources of copper in their diet.....	241
Yakubets T.V., Bochkov V.M. Indicators of the reproductive capacity of female rabbits of the ancestral cross form using different males	251
ECOLOGY, ICHTHYOLOGY AND AQUACULTURE 260	
Berlinets Y.O., Martseniuk V.P. Influence the preparation "Nutril Selenium " on the growth rate of young clary catfish (<i>Clarias gariepinus</i>).....	260
Valerko R.A., Dobrovolskyi S.K., Khmelnytskyi S.A. Assessment of damage from fire under the conditions of the nature-reserve fund	263
Honcharova O.V., Pichura V.I. Ecological-physiological aspects in aquaculture under conditions of transformation of abiotic and biotic factors	270
Grynevych N.Ye., Semaniuk N.V., Khomiak O.A., Sliusarenko A.O., Trofymchuk A.M. Ecobiological protection and sanitary control of water and soil in spawning carp ponds	277

Kovalenko B.Yu., Kovalenko V.O. Influence of the method of preparation of clove oil emulsion on the effect of anesthesia in carp and tilapia	285
Laslo O.O., Chuvpylo V.V. Cartographic modeling of soil degradation in the Poltava region (based on data of aggregated and integrated components).....	292
Laslo O.O. Application of humates in the fertilizer system of corn as a component of ecological growing technology.....	299
Pysarenko P.V., Samoilik M.S., Dychenko O.Iu., Liskonoh K.M., Bybyk Ye.Iu. Ecologization of the fertilizer system of agricultural cultures through the use of a mixture of ground water and probiotic preparations	306
Slusar M.V., Kovalchuk I.I., Kochuk-Yashchenko O.A., Kucher D.M. Influence of feeding on the growth and development of juvenile australian red-clause crawfish...	315
Tymochko I.Ya., Chornobrov O.Yu., Drebot O.I. Dead wood stocks in forest ecosystems of "Syrovatka river basin" proposed Emerald network object (Sumy region)	321
Yamborak R.S., Krachan T.M. Specifics of complex general assessment of the environmental quality of atmospheric air	331