

CONTENTS

AGRICULTURE, CROP PRODUCTION, VEGETABLE AND MELON GROWING.....	3
Averchev O.V., Honcharova O.V. Key aspects of the implementation of the educational process and eurointegration in agricultural institutions of higher education of Southern Ukraine.....	3
Averchev O.V., Nikitenko M.P., Vorona P.S. Tatar buckwheat – a promising crop for biodiversity and agroecological sustainability (review).....	12
Bazaliy V.V., Larchenko O.V. Influence of structural elements of productivity on the efficiency of selection of economic-valuable forms of winter wheat	19
Bezpal'ko V.V., Zhukova L.V., Stankevych S.V., Derevyanko I.O., Osypova L.S. Influence of sowing on the formation of the productivity of safflower beautiful under various growing conditions in the Kharkiv region	26
Boiko M.O. Prospects for sorghum cultivation as a niche crop in modern agribusiness	34
Verheles P.M., Humeniuk O.V. Influence of the parameters of the microclimate of the greenhouse for growing tomatoes on the effectiveness of the system of protection against late blight.....	43
Vyskub R.S., Vinyukov O.O., Bondareva O.B. Results of selection of winter wheat varieties by adaptability and productivity indicators in 2022–2024.....	57
Ginga D.E., Vyshnevskaya L.V., Kravchenko V.S. Improvement of maize grain cultivation technology elements in the Right-Bank Forest-Steppe of Ukraine	67
Hlevaskiy V.I., Timchyk K.I., Lapchynskiy V.V. Analysis of the impact of biostimulants on increasing the yield of agricultural crops under drought conditions	73
Hrytsiuk N.V., Tymoshchuk T.M., Bakalova A.V., Zhuravska I.A. Insecticide control of phytophages in the agrocenosis of spring barley	81
Donets A.V., Marchenko T.Yu., Piliarska O.O., Netreba O.O., Mishchenko S.V., Lavrynenko Yu.O. The effectiveness of protection measures for maize hybrids of different FAO groups against damage caused by (<i>Helicoverpa armigera</i> Hbn.) under continuous maize cultivation conditions with irrigation.....	90
Yeremko L.S., Kyrlytsia A.O. Formation of corn productivity depending on mineral fertilizer and sowing density.....	98
Zavertaliuk V.F., Palinchak O.V. Agrobiological evaluation of watermelon hybrids by adaptive traits	106
Ivanova I.Ye., Kryvonos I.A., Basanets S.V., Pendrak Ya.I. Formation of cherry production volumes under the influence of abiotic factors.....	113
Karashchuk H.V. Effect of planting material and variety composition on the growth and development of garden strawberry plants under irrigated conditions in Southern Ukraine	121
Kilochok T.P., Kozechko V.I., Shevchenko S.M., Yakubenko Yu.L., Kozechko Val.I., Pryshedko N.O. Effectiveness of G3x biopreparation application in sunflower cultivation	128
Kliuchevych M.M., Vyhera S.M., Mozharivska I.A., Venher O.V. Trophic processes of hexapod species in plant ecosystems (phytocenoses)	139

Kozina T.V., Ovcharuk V.I. Features of the formation of the green conveyor of winter cruciflorescent crops (rape, oilseed) in the conditions of the Western Forest-Steppe	145
Krukovskiy R.D., Pikovskiy M.Y. The state of research of cucumber plant protection measures against fusarium wilt.....	154
Kuksa S.O. Management of phytophagous insect abundance in no-till agrocenoses in the Forest-Steppe of Ukraine	163
Lykhovyd P.V., Vozhehova R.A., Hranovska L.M., Chaban V.O., Bidnyna I.O. Ukraine Crop Production Map – an interactive map of crop productivity and analytical evaluation of agroecological conditions of Ukraine.....	172
Mynkin M.V. Energy substantiation of agrotechnical measures of sugar beet cultivation.....	179
Mynkina G.O. Protection of grape ampelocenoses from pests in the conditions of Southern Ukraine.....	186
ANIMAL HUSBANDRY, FEED PRODUCTION, STORAGE AND PROCESSING OF AGRICULTURAL PRODUCTS	192
Vedmedenko O.V. Analysis of the exterior characteristics and working qualities of service dogs of different breeds	192
Gotsuliak V.L., Borshch O.V., Lastovska I.O., Borshch O.O. Productivity, milk quality composition and dynamics of cow fattening using various means of mechanization and automation of feeding.....	200
Kalinka A.K. Productivity of calves of a new population of the Bukovina zonal type of meat-combination Simmental ruminants with the use of a new complex mineral preparation in feeding in the Carpathian region of Bukovina.....	209
Kalinka A.K., Lesyk O.B. The influence of the ratio of cellulose and the amount of non-structural carbohydrates in the diet recipe on the exchange of lipids and fatty acids in the organism of lactating cows of a new population of meat commologous Simmental ruminants on footshot in the conditions of the footmountain zone of the Carpathian region of Bukovynya.....	219
Karpenko O.V. Assessment of the possibility of quail meat production in the conditions of farm typical for the Southern region of Ukraine	234
Kirovych N.O., Didur L.I. Current state of the beef cattle industry in Ukraine.....	241
Korbych N.M. The influence of wool curliness on the productivity indicators of young animals of the Tavrian type of the Ascanian fine-wool breed	248
Kurdas P.I., Ilchuk I.I. The relevance of using branched-chain amino acids (BCAA) in chicken feeding	255
Lesik O.B., Pohyvka M.V., Tomash L.V. Productivity characteristics of sheep of the Ukrainian mountain Carpatian breed in the conditions of Bukovyna	263
Liubenko O.I., Kushnirov S.O. Effectiveness of the use of a liquid combination of vitamins, amino acids and selenium in growing cobb-500 cross broiler chickens.....	270
Liubenko O.I., Kushchinskyi E.S. Application of organic microelements in feeding of laying hens of the lomann brown cross in farming conditions.....	277
MELIORATION AND SOIL FERTILITY	284
Babych O.A. The impact of irrigation on crop yields in the Mykolaiv region in 2014–2023	284

Bykin O.V., Boiko Ya.I. Features of chemical amelioration of soils in the Polissya region of Ukraine.....	291
ECOLOGY, ICHTHYOLOGY AND AQUACULTURE	302
Almashova V.S., Kovshakova T.S. Monitoring of the waste management system in the Mykolaiv region.....	302
Vlasiuk V.P., Kratiuk O.L., Klymchuk O.O. Key aspects of population dynamics of local populations of European elk (<i>Alces alces</i>) in the Zhytomyr region	308
Holovko A.A., Chernyshov I.V., Kozychar M.V., Kazanok O.O. Use of aquaculture facilities as substrate components for growing oyster mushrooms	318
Hrynevych N.Ye., Shvab V.S., Sliusarenko A.O., Sliusarenko S.V., Prisjajhnjuk N.M., Khomiak O.A., Semaniuk N.V. Monitoring of the effect of innovative feed additives on hydrochemical parameters and microbial contamination of the aquatic environment during the cultivation of common carp (<i>Cyprinus carpio</i>).....	326
Dyudyayeva O.A. Biodegradable plastic: current trend or today's requirement.....	341
Korzhov Ye.I., Honcharova O.V. Modern climatic changes within the North-Western Black Sea region as a factor in the growth of ichthyopathological and invasive threats	349
Kostenko I.A. Evaluative monitoring of environmental policy to reduce air pollution in industrial regions of Ukraine	357
Kuzmenko I.S. Application of GIS tools in organic farming as a means of restoring ecological balance	367