

CONTENTS

AGRICULTURE, CROP PRODUCTION, VEGETABLE AND MELON GROWING.....	3
Melenti V.O., Lezhenina I.P., Stankevych S.V., Zabrodina I.V. Unexpected spruce scale insect (<i>Physokermes inopinatus</i> Danzig et Kozár, 1973) on spruce trees and its harmfulness in the Kharkiv region	3
Mynkin M.V. Evapotranspiration of the field during cultivation sugar beet depending on agronomic factors in the South of Ukraine	15
Mynkina H.O. Influence of agrotechnical factors on sugar content of sugar beet roots under irrigation.....	23
Mohylevska V.V. The influence of fertilizer forms and doses on the formation of grain sorghum yield structure elements.....	29
Okrushko S.E. Symbiotic efficiency and yield of vegetable peas depending on the influence of <i>Ascochyta rabiei</i>	36
Pankova S.O., Kutsenko M.I. Assessment of the current ecological state of forest shelterbelt ecosystems in the Right-Bank Forest-Steppe.....	43
Pylypenko O.V. Influence of weather conditions and feeding area on the formation of seed yield of soybean varieties in the arid conditions of the Forest-Steppe of Ukraine	50
Podhayetskyi A.A., Drozdenko A.Yu. Influence of meteorological variables on yield and other characteristics of potatoes.....	59
Pochkolina S.V., Kohut I.M., Melnyk O.T., Vlasenko S.V. Field similarity of winter cereal crop seeds depending on sowing periods in Southern Ukraine	65
Prysiachniuk O.I., Kononiuk N.O., Kachura Ye.V., Cherniak M.O., Musich V.V., Honcharuk O.M. Features of wheat fertilization in the main regions of the Forest-Steppe of Ukraine.....	71
Remeniuk S.O., Riznyk V.M., Moshkivska S.V., Remeniuk Yu.O., Voloshyn P.Yu. The impact of common milkweed (<i>Asclepias syriaca</i>) on corn productivity	80
Sabluk V.T., Kozhukhivskyi R.M. Soil quality indicators under the application of Mikofrend biopreparation in sunflower sowings.....	86
Skoryk V.V., Prykhodko V.O. Influence of corn seed sowing rates on the realization of hybrid genetic potential under irrigated conditions in the Southern Ukrainian Steppe	93
Stankevych S.V., Zabrodina I.V., Melenti V.O. Modern concepts of insect population dynamics: past, present, future. A synergetic approach.....	103
Storozhyk L.I., Balyan I.V., Zavhorodnia S.V., Kulyk G.A. Morphobiology features of organogenesis of <i>Ambrosia artemisiifolia</i> (L.) in various phytocenoses.....	116
Stotska S.V., Didora V.H., Klymenko T.V., Kotkova T.M. The impact of elements of cultivation technology on the grain productivity of corn	126
Togachynska O.V., Kapusniak V.V., Timchyi K.I. Impact of biotechnology on the productivity and quality of cereal crops in Ukraine.....	133
Furman V.M., Moroz O.S., Solodka T.M., Lusak A.V. Influence of fertilizes on the processes of formation and productivity of corn on green mass.....	143

Shevchenko M.S., Shevchenko S.M., Desiatnyk L.M., Derevenets-Shevchenko K.A., Novikov D.I. The influence of main tillage on the dynamics of humus and macronutrients in crop rotation.....	150
Shevchuk O.V., Hospodarenko H.M. Effectiveness of feeding winter wheat with digestate	160
Shepel A.V. Productivity of dill (<i>Anethum graveolens</i> L.) depending on soil moisture and nutrient background in the South of Ukraine.....	169
Yatsenko V.V., Yatsenko N.V., Yatsenko A.O., Klymovych N.M., Rogalsky S.V., Sichkar A.O. Productivity of winter garlic of the Lyubasha cultivar under fertilization with different norms of vermicompost.....	178
Yuvchuk N.O., Yashchenko L.A. Formation of yield and grain quality of winter wheat under mineral nutrition and liming on sod-podzolic soil	184
ANIMAL HUSBANDRY, FEED PRODUCTION, STORAGE AND PROCESSING OF AGRICULTURAL PRODUCTS	191
Kriazhevskykh D.S. The role of cobalt in cow nutrition	191
Lavryniuk O.O., Piddubna L.M., Koberniuk V.V., Sikhnevych K.I., Atamanchuk D.O. Modern aspects of rational animal feeding in specialized farming.....	199
Liuta I.M. The influence “breeding bull” on growth indicators and reproductive traits of holstein heifers.....	207
Muzyka L.S., Shelest I.R. The influence of genetic variability on the productivity of Ukrainian black and speckled cows.....	216
Svyetunova I.V., Zakhliebaiev M.V., Poltoretskyi S.P., Voitsekhivska O.V., Puu V.L., Shuvar A.M., Senyk I.I. Growth, development and yield of combined crops of <i>Melilotus albus</i> with annual cereal crops.....	224
Franchuk I.B., Bodnar P.V., Pachva A.Ye. Analysis of the efficiency of selection indexes for selection of highly productive dairy cows	232
Franchuk I.B., Orikhivskyi T.V., Samoliuk R.-O. Strategies for extending the productive life of Ukrainian red-and-white cows	238
Tsvihun A.T., Kudryk N.A., Ponko L.P., Nesviatypaska V.Yu., Yakovchuk V.S., Tymofiihyn I.I. Features of feeding lacaine lamb in the conditions of Podillia.....	244
MELIORATION AND SOIL FERTILITY	255
Klimenko M.O., Kolesnyk T.M., Androshchuk O.O., Rovna G.F. Dynamics of soil solution reaction after long period of liming and fertilisation on sod-podzolic soil	255
Polishchuk M.I. Siderates as an alternative for restoration of soil fertility elements in conditions of climate warming in the Right Bank Forest Steppe of Ukraine	263
ECOLOGY, ICHTHYOLOGY AND AQUACULTURE	274
Dotsenko L.V., Ananieva T.V., Voroshilova N.V. Distribution of the invasive species of <i>Robinia pseudoacacia</i> L. in the territory of Dnipropetrovsk Region, Ukraine	274
Ilchenko L.A., Mylnikova O.O. The species composition and life conditions of dendroflora of individual educational institutions, Dnipro city.....	282

Kratiuk O.L., Vlasiuk V.P., Vorobei V.P. Ecological aspects of the organization of hunting and game management production of the Zhytomyr district organization of the USHF	291
Kurinenko H.A., Konopelskyi R.M. Effect of stocking density on productive and biological parameters of age-1+ tench grown in conditions of recirculation systems	300
Lisohurska D.V., Lisohurska O.V., Furman S.V., Shuliar A.L., Shuliar A.L., Tkachuk V.P. Restoration of aquatic bioresources as a path to sustainable agricultural production.....	308