

CONTENTS

AGRICULTURE, CROP PRODUCTION, VEGETABLE AND MELON GROWING.....	3
Bezvikonnyy P.V., Bakhmat M.I. Influence of microferrals and fungicides on the growth of roots and leaves of fodder beet.....	3
Bovkun D.O., Shepel A.V. The effectiveness of the sunflower herbicide protection system depends on the rate of consumption of the working solution and the selected nozzles	12
Borysenko V.V. The efficiency of sunflower growing depends on various methods of basic soil cultivation in the conditions of Right-Bank Forest-Steppe of Ukraine	19
Budyonny V.Yu., Tsekhmeystruk M.H. Influence of predecessors on soil hardness and winter rye yield	25
Gavryk S.V., Tsyuk O.A. Formation of crop and productivity of soybean depends on main tillage and inoculation.....	31
Hamajunova V.V., Sydiakina O.V. Potassium nutrition and its balance in Ukraine and worldwide.....	38
Hanhur V.V., Filonenko V.S. The influence of crop rotation and soil cultivation methods on the productive potential of sugar beets.....	50
Horiainov O.M., Stankevych S.V., Horiainova V.V. Biology, phenology and harmfulness of thrips on tomatoes in protected soil conditions.....	58
Demenko V.M., Yemets O.M., Tatarynova V.I., Burdulaniuk A.O., Pivtorayko V.V., Bakumenko O.M. Phytosanitary risks of spread of Russian knapweed on the territory of Ukraine	65
Didur I.M., Zyuzko L.G. Accumulation and balance of nitrogen in the soil during soybean cultivation in the conditions of the Right-Bank Forest-Steppe	72
Didur I.M., Tkachuk O.P., Banul S.O. Productivity and environmental sustainability of winter canola hybrids	78
Dudchenko V.V., Markovska O.Ye., Burdeinyi O.V. Influence of preceding crops and main soil tillage measures on the development of Sclerotinia in sunflower agrocoenosis in the Forest-Steppe conditions of Ukraine.....	89
Dudchenko V.V., Markovska O.Ye., Mechet A.O. Influence of main soil tillage methods and herbicides on weed infestation of soybean agrocoenosis in the conditions of Northern Steppe of Ukraine	96
Zhuikov O.H., Averchev O.V. Cellulose-destroying effectiveness of stubble-destroying biological preparations during post-harvest application in the sowing of linseed in the conditions of the Southern Steppe zone.....	104
Zadorozhnyi A.L. Formation of yield and marketable qualities of potatoes depending on varietal characteristics.....	112
Zakharchuk V.V. Peculiarities of growth and development of field peas in the conditions of the Right-Bank Forest-Steppe.....	121
Zubenko O.H., Iliukha O.V., Tytarenko L.M., Havrylenko V.S. Species composition and peculiarities of phytophage population formation under climate change in sunflower crops in the Cherkasy region	128
Kozechko V.I., Ivanchenko O.M. The effect of different doses of herbicides and rates of application of working fluid on sunflower crops.....	136

Kuts O.V., Romanova T.A., Romanov O.V., Svishchova Ya.O., Gutman I.V. Determination of the yield level of sweet pepper hybrids using integrated growing technology for yield prediction	147
Laslo O.O., Marinich L.H., Holub-Makovetska I.A. Composition mixtures of growth regulators and inoculants in organic soybean growing technology	157
Likar Ya.O., Hadzalo Ya.M., Vozhehova R.A. Energy analysis of corn growing technology depending on various plant protection schemes.....	164
Mazur O.V. Study of correlation relationships between valuable economic traits in hybrid progeny of soybean plants.....	173
Mykolaiko I.I. The quality of mustard seed depends on its sorting modes by specific mass	181
Storozhenko D.S. Features of the development of the main sunflower diseases in the Eastern part of the Forest-Steppe of Ukraine.....	189
ANIMAL HUSBANDRY, FEED PRODUCTION, STORAGE AND PROCESSING OF AGRICULTURAL PRODUCTS	199
Kalinka A.K., Lesyk O.B., Tomasz L.V., Vdovichenko Yu.V., Chernega I.O. Study of the features and patterns of formation of meat productivity of planned ruminant breeds using energy-saving technologies and based on environmentally friendly feeds and rations in order to obtain environmentally friendly high-quality beef in the Western region of Ukraine	199
Kalinka A.K., Lesyk O.B., Tomasz L.V., Vdovichenko Yu.V., Stadnytska O.I. The influence of feeding and housing conditions of heifers on productivity and reproductive qualities of a new population of the bukovyna zonal type of meat comologo Simmental cattle in the foothill zone of the Carpathian region of Bukovina ...	215
Karatieiev A.S., Hyl M.I. Influence of industrial crossbreeding on the reproductive qualities of sows of different breeding	234
Koberniuk V.V., Lavryniuk O.O., Zabrodskiy N.P., Sikhnevych K.I. Evaluation of milk productivity of cows in the “Yerchyki” farms in Zhytomyr region	240
Kremez M.I., Balabanova I.O., Schnaider S.L., Myronenko O.I., Lesnovska O.V. Economic efficiency of raising purebred, crossbred and hybrid piglets of English origin using different breeding methods during the suckling period	248
Kushnerenko V.G., Kripyk A.M. Effectiveness of liquid feeding in the conditions of Ukrainian farm facilities	259
Melnyk O.V., Drozd O.O., Remeniuk L.M. Storage ability of Reinette Simirenko apples depending on the cooling mode, treatment of trees with ethephon and fruits with ethylene inhibitor	266
Prylipko T.M., Koval T.V. Qualitative indicators of dairy products depending on the introduction of microelements into the diet of cows on cultivated pastures of Chernivtsi region with different mineral fertilizer backgrounds	275
MELIORATION AND SOIL FERTILITY	282
Kucher L.I., Bogdanovich R.P., Panchuk T.V., Kucher T.R. Changes in the humus state of typical coarse-dusty light loamy chernozem under different technologies of winter wheat cultivation	282
Solokha M.O., Vynokurova N.V. Aspects of the application of a laser particle analyzer in determining the granulometric composition in soil samples of the Steppe zone	290