

## CONTENTS

<b>AMELIORATION, FARMING, CROP PRODUCTION.....</b>	<b>5</b>
<b>Vinyukov O.O., Chuhrii H.A.</b> The influence of biological products on the determination of drought resistance of spring barley plants in the conditions of the eastern part of the Northern Steppe.....	<b>5</b>
<b>Vozhegova R.A., Kozlenko Ye.V., Morozov O.V., Bidnyna I.O.</b> Ways to implement the Irrigation and Drainage Strategy in Ukraine until 2030 on the Ingulets irrigation system.....	<b>10</b>
<b>Hranovska L.M., Morozov O.V., Ivanov V.I.</b> Irrigation water quality evaluation and its impact on the fertility indices of soils under drip irrigation.....	<b>16</b>
<b>Drozd O.M., Afanasiev Yu.O.</b> Spatial variety of local occurrence of soil salinization under the drip irrigation.....	<b>24</b>
<b>Zabolotna A.V., Zabolotnyi O.I., Datsenko A.A.</b> Net photosynthetic productivity and yield of maize under the use of Stellar herbicide.....	<b>29</b>
<b>Zaiets S.O., Netis I.T., Onufran L.I., Fundirat K.S.</b> Features of water consumption of modern varieties of winter wheat and winter barley at different sowing dates under irrigation.....	<b>34</b>
<b>Klymyshena R.I.</b> Dependence of beta-glucan content in spring malting barley wort on the effect of foliar fertilization with microfertilizers.....	<b>39</b>
<b>Kovalenko O.A., Andriichenko L.V.</b> The effectiveness of environmentally friendly methods of growing <i>Lavandula angustifolia</i> in South of Ukraine.....	<b>44</b>
<b>Kovalov M.M.</b> Growing microgreens of romaine lettuce in NFT systems depending on the influence of the substrate type.....	<b>48</b>
<b>Kotelnikov D.I.</b> Agrophysical properties of dark chestnut soil under different systems of basic cultivation and organo-mineral fertilizer in irrigated conditions of the South of Ukraine.....	<b>52</b>
<b>Krychkovsky V.Yu.</b> Digistat influence on harvest structure and corn productivity.....	<b>57</b>
<b>Manuylenko O.V., Konovalov V.O., Gribinyuk K.S., Karpenko O.I., Konovalova V.M.</b> Effectiveness of the No-till system compared to the traditional systems of short-rotation soil cultivation under conditions of Southern Steppe of Ukraine.....	<b>63</b>
<b>Moldovan V.G., Moldovan Zh.A.</b> Influence of pre-sowing seed treatment and foliar top dressing on the formation of indicators of individual corn productivity in the Western Forest-Steppe of Ukraine.....	<b>69</b>
<b>Nedilska U.I.</b> Productivity of miscanthus planting material depending on agrotechnical measures.....	<b>73</b>
<b>Onopriienko D.M.</b> Efficiency of fertilizer irrigation of corn using liquid and solid forms of mineral fertilizers.....	<b>76</b>
<b>Rozhko I.I., Kulyk M.I.</b> Seed yield of switchgrass, depending on the elements of cultivation technology.....	<b>81</b>
<b>Sobko M.G., Butenko A.O., Danylchenko O.M.</b> Agroecological adaptability and suitability of growing soybean varieties of different maturity groups.....	<b>89</b>
<b>BREEDING, SEED FARMING.....</b>	<b>96</b>
<b>Vozhehova R.A., Balashova H.S., Boiarkina L.V.</b> Influence of soil moisture and fertilizer level on water consumption and productivity of summer potatoes planted with freshly harvested tubers.....	<b>96</b>
<b>Tyshchenko A.V., Tyshchenko O.D., Piliarska O.O., Kuts G.M., Galchenko N.M.</b> Adaptive ability is an important feature in plant breeding.....	<b>101</b>
<b>AGROENGINEERING.....</b>	<b>110</b>
<b>Jahangirov M.M.</b> Results of research of physicochemical parameters of tea extract to increase the biological value of finished products.....	<b>110</b>
<b>Vozhehov S.G., Rudyi O.E., Kokovikhin S.V., Drobitko A.V., Kazanok O.O., Kerimov A.N.</b> Yield. Economic and energy efficiency of growing sunflower hybrids depending on the regimes of irrigation and tillage in the South of Ukraine.....	<b>114</b>
<b>SUMMARY.....</b>	<b>128</b>