

CONTENTS

SECTION 1. AGRONOMY

Beefly and its application in buckwheat crops

Vilchynska L. A., Nochvina O. V., Svyarchuk O. V. 4

Intensification of the recreation process of pre-basic, basic seed potato recovered in *ex vitro* culture

Grygorieva O. M., Almayeva T. M. 8

Regeneration of nutrient solution with the help of microbiological preparations when growing micro greens in periodic flood & drain systems

Kovalov M. M. 13

Phytochemical profile of root exudates of sorghum [*Sorghum bicolor* (L.) Moench] in the rhizosphere of the agrophytocenosis of the culture

Storozhyk L. I., Zavorodnia S. V., Kharus S. A. 15

SECTION 2. GARDENING AND VITICULTURE

Formation of knowledge in higher education students of the fields «Horticulture and Viticulture» and «Agronomy» regarding the modern varietal composition of cherry plantations

Shkinder-Barmina A. M., Ivanova I. Ye. 20

SECTION 3. AQUATIC BIORESOURCES AND AQUACULTURE

Introduction, acclimatization and cultivation of river crayfish

Sydrak R. V., Burhaz M. I. 24

SECTION 4. AGRICULTURAL ENGINEERING

Main directions of wide-capacity sowing machine-tractor units manoeuvrability research

Nadykto V. T., Zhokin I. O. 27

SECTION 5. VETERINARY MEDICINE

Ultrasound diagnostics for chronic kidney disease in domestic cats

Morozenko D. V., Kibkalo D. V., Kravchenko N. O. 32