

CONTENTS

CROP PRODUCTION

Hanzhenko O. M., Herasymenko L. A., Ivanova O. H., Kopchuk K. M. Energy productivity of sugar sorghum as affected by the elements of growing technology	11
Prysiashniuk O. I., Sonec T. D., Polovynchuk O. Yu., Korovko I. I. Comprehensive assessment of modern hybrids of sugar beet	18
Sinchenko V. M., Shamsutdinova A. V. Foliar feeding sugar beet microfertilizers at different timing of their introduction	28
Chynchyk O. S. Soya (<i>Glycine max</i> (L.) Merr.) structure and yield as affected by fertilization methods under the conditions of Western Forest-Steppe	35

PLANT BREEDING AND SEED PRODUCTION

Doronin V. A., Hizbullin N. H., Morhun I. A. Formation of yield and quality of sugar beet seed against the background of drip irrigation	42
Ivanov Yu. M., Vlasenko S. V., Panov O. I., Orlov S. D. Manifestation of frost-resistance in hybrid generation of winter wheat <i>Triticum aestivum</i> ..	49
Kornieieva M. O., Falatiuk L. V., Melnyk Ya. A. Selection of the best lines of sugar beet sterility maintainers in terms of potassium content in breeding for improved technological quality of roots	54
Orlov S. D., Necheporenko L. P. Creating of original materials of spring oat with new features	60
Chemerys L. M., Kornieieva M. O., Matsuk M. B., Fedorenko I. A. Stabilization of tetraploid sugar beet pollinator lines in terms of ploidy and their evaluation for agronomic characteristics	67

BIOENERGY

Kurylo V. L., Humentyk M. Ya., Kvak V. M., Dubovyi Yu. P. Improvement of technology elements for growing miscanthus under the conditions of the Central Forest-Steppe of Ukraine for the production of solid biofuel	77
Skachok L. M., Kvak V. M. Comprehensive assessment of growing bioenergy crops as affected by various fertilization system	86
Fuchylo Ya. D., Sinchenko V. M., Melnychuk H. A. Features of growth of two-year old energy plantations of some sorts of <i>Salix viminalis</i> in the Central Forest-Steppe conditions	93

PLANT PROTECTION

Kalatur K. A., Pylypenko L. A., Boiko A. L.

Role of Longidoridae and Trichodoridae phytonematodes in vectorial transfer of viral plant pathogens 100

Sabluk V. T., Gryshchenko O. M., Smirnykh V. M., Suslyk L. I.

Prevention of phytophag proliferation in sugar beet crop rotation 112

Sinchenko V. M., Askarov V. R.

Effectiveness of micronutrients and fungicides against leaf diseases of sugar beet 121

FARMING

Slyusar I. T., Bogatyr L. V., Ezerkovskyi A. V.

Effect of primary tillage of old-ploughed and organogenic soils on their water and physical properties and productivity of winter rye and buckwheat 127