CONTENTS

Physics, biophysics and ecology of soils

Ecological and hydrological state and productivity of drained soils in the agricultural landscape of the Sambian plain	
Antsiferova O. A., Safonova D. N.	1
Analysis and detection of regularities in exchangeable calcium mobility in sod-podzolic light loamy soil profile ameliorated with dolomite screening fractions of different sizes Manakov P. S., Litvinovich A. V., Lavrishchev A. V., Bure V. M., Zakharyan Yu. G.	11
Rheological properties of soils as one of the characteristics of plant physical habitat Khaidapova D. D., Mishchenko A. A., Karpova D. V. Cartographic support of managed adaptive landscape farming in agricultural landscapes of Belarus Chervan A. N.	17
	21
Physical, physiological and genetic basis for biological production of soil-plant complexes under natural and controlled conditions	=
Itregrated assessment of adaptive potential of omsk spring barley varieties under steppe conditions of the Western Siberian region	
Nikolaev P. N., Yusova O. A., Safonova I. V., Aniskov N. I.	30
Comparative assessment of oat varieties stability based on grain oil content in conditions of forest-steppe zone of Western Siberia	25
Yusova O. A., Nikolaev P. N., Vasyukevich S. V., Safonova I. V., Aniskov N. I.	35
On the relationship between the sowing qualities of seeds and biochemical indicators of	
the quality of spring wheat grain Rutkovskaya T. S., Arkhipov M. V., Pasynkova E. N., Priyatkin N. S., Kononchuk P. Yu.,	
Kocherina N. V., Simon K. V.	42