

CONTENTS

Physics, Biophysics and Ecology of Soils

Dynamics of the acidity of sod-podzolic soil depending on the lime ameliorant dose	
Vitkovskaya S. E., Shavrina K. F.	1
Spatial heterogeneity of the of clay and silt distribution in profiles of gray forest soils of the Northern Trans-Urals	
Kayugina S. M., Eryomin D. I.	7
Decomposition of large dolomite particles in acidic sod-podzolic sandy loam soil; influence of liming and different levels of wheat mineral nutrition on changes in soil acid-base properties and plant productivity (according to laboratory experiment data)	
Litvinovich A. V., Berseneva A. O., Pavlova O. Yu., Lavrishev A. V., Khomyakov Yu. V., Dubovitskaya V. I.	14
<i>Physical, physiological and genetic basis for biological productivity of soil-plant complexes under natural and controlled conditions</i>	
Concentration ratios of starch and amylase in winter wheat grain under various cultivation conditions	
Bakaeva N. P., Saltykova O. L., Nechaeva E. Kh.	19
Change of economically valuable characteristics of spring grain crops depending on cultivation conditions	
Yusova O. A., Nikolaev P. N., Parshutkin Yu. Yu., Yusov V. S.	26
<i>Physics of the atmosphere active layer, agrometeorology and agroclimatology</i>	
Long-term forecast of moisture reserves in one-meter soil layer in spring	
Tarasova L. L.	33