

CONTENTS

V. Ruzgas, Ž. Liatukas, K. Razbadauskienė, R. Koppel, G. Brazauskas. The new winter wheat cultivars ‘Kena DS’, ‘Gaja DS’, ‘Sedula DS’ and ‘Herkus DS’ for increased yield stability291
K. A. Gruznova, D. I. Bashmakov, A. Brazaitytė, P. Duchovskis, A. S. Lukatkin. Efficiency index as the integral indicator of <i>Triticum aestivum</i> response to growth regulators299
S. Tančić Živanov, L. Nešić, R. Jevtić, M. Belić, V. Ćirić, M. Lalošević, J. Veselić. Fungal diversity as influenced by soil characteristics305
M. Nietupski, J. Kwiatkowski, A. Kosewska. Physicochemical properties of achenes of buckwheat cultivars affecting the development of grain weevil (<i>Sitophilus granarius</i> L.) and lesser grain borer (<i>Rhyzopertha dominica</i> F.)311
M. Järvan, R. Vettik, K. Tamm. The importance and profitability of farmyard manure application to an organically managed crop rotation321
G. Staugaitis, I. Narutytė, J. Arbačauskas, Z. Vaišvila, K. Rainys, R. Mažeika, A. Masevičienė, L. Žičkienė, D. Šumskis, K. Gvildienė. The influence of composts on potato tuber, spring oilseed rape seed and threshing residue yields and concentrations of chemical elements in them329
H. Danilčenko, Z. Dabkevičius, E. Jarienė, Ž. Tarasevičienė, D. Televičiūtė, A. Tamošiūnas, M. Jeznach. The effect of stinging nettle and field horsetail extracts on the synthesis of biologically active compounds in germinated leguminous and quinoa seed337
V. Đukić, Z. Miladinov, G. Dozet, M. Cvijanović, M. Tatić, J. Miladinović, S. Balešević-Tubić. Pulsed electromagnetic field – a cultivation practice used to increase soybean seed germination and yield345
A. Valiuškaitė, N. Uselis, D. Kviklys, J. Lanauskas, N. Rasiukevičiūtė. The effect of sustainable plant protection and apple tree management on fruit quality and yield353
V. Radenkovs, K. Juhnevica-Radenkova. Effect of storage technology on the chemical composition of apples of the cultivar ‘Auksis’359
M. Heidari. Plant responses to arsenic: uptake, metabolism and resistance to arsenic toxicity – a review369
S. Raudonius. Application of statistics in plant and crop research: important issues377