

CONTENTS

Chapter 1. SOIL TILLAGE AND AGROCHEMISTRY

J. Mažvila, K. Rainys, Z. Vaišvila, J. Arbačiauskas, T. Adomaitis. Field crop rotation productivity and agrochemical properties in the soils differing in phosphorus and potassium status as influenced by the fertilization systems.....	3
G. Cesevičius, D. Janušauskaitė. Soil microbiological and physical properties in various tillage systems.....	18
V. Feiza, D. Feizienė, I. Deveikytė. Reduced tillage in spring: 1. Influence on soil physical properties	35
D. Feizienė, V. Feiza, I. Deveikytė. Reduced tillage in spring: 2. Influence on soil chemical properties.....	56
S. Gužys, Z. Petrokienė. The influence of the crop rotation differing in fertilisation on phosphorus migration in agroecosystem.....	75

Chapter 2. AGRICULTURE AND CROP PRODUCTION

V. Pilipavičius. Three year assessment of weed dynamics in herbicide - free barley culture: a field study.....	89
V. Pilipavičius, R. Romaneckienė, A. Ramaškevičienė, A. Sliesaravičius. Effect of UV-B radiation, ozone concentration and their combinations on <i>Chenopodium album</i> L. early growth adaptivity	99
Z. Jankauskienė, A. Endriukaitis. Flax fibre separation <i>in situ</i> : 3. Dynamics of fibre quantity and quality	108

Chapter 3. PLANT BREEDING

- P. Tarakanovas, S. Nekrašas, V. Kemėšytė.** Assessment of cocksfoot (*Dactylis glomerata L.*) varieties differing in the rhythm of development from the viewpoint of breeding 119

Chapter 4. QUALITY OF PLANT PRODUCTION

- A. Mankevičienė, Z. Dabkevičius, R. Mačkinaitė, J. Cesevičienė.** Contamination of winter wheat grain with fungi and mycotoxins as affected by fertilization level 131
- S. Maikštėnienė, I. Krištaponytė, A. Arlauskienė.** Grain quality indicators of winter wheat varieties as affected by urea application through leaves 141
- V. Paplauskiene, B. Butkutė.** The contents of feeding value components and cyanogenic glycosides in white clover forms and genotypes 158
- B. Butkutė, V. Paplauskiene.** Forage quality potential of perennial grasses 172