

Soil & Plant Science

CONTENTS

ORIGINAL ARTICLES

- 681 Excessive nitrogen application decreases grain yield and increases nitrogen loss in a wheat–soil system
D. Wang, Z. Xu, J. Zhao, Y. Wang and Z. Yu
- 693 Sensitivity of *Cirsium arvense* to simulated tillage and competition
M.G. Thomsen, L.O. Brandsæter and H. Fykse
- 701 Effects of seedbed properties on crop emergence: 3. Effects of firming of seedbeds with various sowing depths and water contents
I. Håkansson, T. Rydberg, T. Keller and J. Arvidsson
- 711 Drought stress tolerance and photoprotection in two varieties of olive tree
A. Sofó
- 721 Fertilizer use efficiency of drought-stressed oat (*Avena sativa* L.) following soil amendment with a water-saving superabsorbent polymer
M.R. Islam, C. Ren, Z. Zeng, P. Jia, E. Eneji and Y. Hu
- 730 Chemical speciation and bioavailability of Cd, Cu, Pb and Zn in Western Balkan soils
O. Popovic, Å.R. Almås, M. Manojlovic, S. Muratović and B.R. Singh
- 739 Modelling species competition in mixtures of perennial sow-thistle and spring barley based on shoot radiation use efficiency
H. Eckersten, A. Lundkvist, B. Torssell and T. Verwijst
- 747 Water extractable concentrations of Fe, Mn, Ni, Co, Mo, Pb and Cd under different land uses of Danube basin in Croatia
V. Ivezić, B.R. Singh, Å.R. Almås and Z. Lončarić