

Soil & Plant Science

CONTENTS

ORIGINAL ARTICLES

- 1 Optimizing the number of consecutive seed harvests in red fescue (*Festuca rubra* L.) and perennial ryegrass (*Lolium perenne* L.) for yield, yield components and economic return
L.C. Deleuran, K. Kristensen, R. Gislum and B. Boelt
- 11 Century simulated organic carbon content in soils of south central Chile with diverse ratios of 1500 kPa water to measured clay
N.B. Stolpe
- 19 Suitability of *Brassica oleracea* leaves in managing *Meloidogyne incognita* through the ground leaching technology system under microplot conditions
P. Mashela, K. Pofu and B. Nzanza
- 25 Properties of soils in the Swedish long-term fertility experiments: VII. Changes in topsoil and upper subsoil at Örja and Fors after 50 years of nitrogen fertilization and manure application
H. Kirchmann, M. Schön, G. Börjesson, K. Hamnér and T. Kätterer
- 37 Near-infrared spectroscopic assessment of hot water extractable and oxidizable organic carbon in cultivated and uncultivated Mollisols in China
R. Fan, X. Zhang, Y. Shen, X. Yang and A. Liang
- 46 Phytotoxic potential of sugar beet (*Beta vulgaris*) and eucalyptus (*Eucalyptus camaldulensis*) to control purslane (*Portulaca oleracea*) weed
A. Dadkhah
- 52 Temporal trends of Al, Fe, Cu, Mn and Zn concentrations in streams draining agricultural catchments of the south-eastern Norway
M. Tesfai and P. Stålnacke
- 62 The role of water availability on weed-crop interactions in processing tomato for southern Italy
M. Valerio, S. Lovelli, M. Perniola, T. Di Tommaso and L. Ziska
- 69 Comparison of soil erodibility factors in USLE, RUSLE2, EPIC and Dg models based on a Chinese soil erodibility database
B. Wang, F. Zheng and M.J.M. Römken
- 80 Current potato varieties are too susceptible to late blight to be grown without chemical control under North-East European conditions
E. Runno-Paurson, I.H. Williams, L. Metspalu, T. Kaart and M. Mänd
- 89 Yeast species associated with different wine grape varieties in Denmark
M.A. Lederer, D.S. Nielsen, T.B. Toldam-Andersen, J.V. Herrmann and N. Arneborg