

Research Papers

An integrated hydro-economic modelling framework to evaluate water allocation strategies I: Model development B. George, H. Malano, B. Davidson (Melbourne, Australia), P. Hellegers (The Hague, The Netherlands), L. Bharati (Colombo, Sri Lanka) and S. Massuel (Wembley, Australia)	733
An integrated hydro-economic modelling framework to evaluate water allocation strategies II: Scenario assessment B. George, H. Malano, B. Davidson (Melbourne, Australia), P. Hellegers (The Hague, The Netherlands), L. Bharati (Colombo, Sri Lanka) and S. Massuel (Wembley, Australia)	747
Differences in water use efficiency among annual forages used by the dairy industry under optimum and deficit irrigation J.S. Neal (Menangle, Australia and Camden, Australia), W.J. Fulkerson (Camden, Australia) and R.B. Hacker (Trangie, Australia)	759
Crop coefficient, yield response to water stress and water productivity of teff (<i>Eragrostis tef</i> (Zucc.) A. Araya (Mekelle, Ethiopia and Wageningen, The Netherlands), L. Stroosnijder (Wageningen, The Netherlands), G. Girmay (Mekelle, Ethiopia) and S.D. Keesstra (Wageningen, The Netherlands)	775
Simulating root water uptake from a shallow saline groundwater resource P.J. Shouse (Riverside, CA, USA), J.E. Ayars (Parlier, CA, USA) and J. Šimůnek (Riverside, CA, USA)	784
Evapotranspiration components and dual crop coefficients of coffee trees during crop production D.L. Flumignan, R.T. de Faria and C.E.C. Prete (Brazil)	791
Genotypic differences of maize in grain yield response to deficit irrigation H. Kaman (Antalya, Turkey), C. Kirda (Adana, Turkey) and S. Sesveren (Kahramanmaras, Turkey)	801
Optimization of yield and water-use of different cropping systems for sustainable groundwater use in North China Plain Q. Sun (Beijing, China), R. Kröbel, T. Müller, V. Römheld (Stuttgart, Germany), Z. Cui, F. Zhang and X. Chen (Beijing, China)	808
Effects of water infiltration and storage in cultivated soil on surface irrigation A.M. Amer (Shebin El-Kom, Egypt)	815
Economic analysis of drought risk: An application for irrigated agriculture in Spain M. Gil, A. Garrido (Madrid, Spain) and A. Gómez-Ramos (Valladolid, Spain)	823
Reuse of domestic wastewater treated in macrophyte ponds to irrigate tomato and eggplant in semi-arid West-Africa: Benefits and risks P.B.I. Akponikpè (Parakou, Benin and Ouagadougou, Burkina Faso), K. Wima, H. Yacouba (Ouagadougou, Burkina Faso) and A. Mermoud (Lausanne, Switzerland)	834
Water and nutrient use efficiency of a low-cost hydroponic greenhouse for a cucumber crop: An Australian case study H.S. Grewal, B. Maheshwari (Penrith, Australia) and S.E. Parks (Gosford, Australia)	841
Water reuse for irrigation in Jordan: Perceptions of water quality among farmers G. Carr, R.B. Potter and S. Nortcliff (Whiteknights, UK)	847
Suspended sediment load prediction of river systems: An artificial neural network approach A.M. Melesse (Miami, FL, USA), S. Ahmad (Las Vegas, USA), M.E. McClain (Miami, FL, USA and The Netherlands), X. Wang and Y.H. Lim (USA)	855
Effects of snowmelt on phosphorus and sediment losses from agricultural watersheds in Eastern Canada J.J. Su (Wuhan, China and Quebec, Canada), E. van Bochove, G. Thériault, B. Novotna, J. Khaldoune, J.T. Denault, J. Zhou, M.C. Nolin (Quebec, Canada), C.X. Hu (Wuhan, China), M. Bernier (Quebec, Canada), G. Benoy, Z.S. Xing and L. Chow (Fredericton, Canada)	867
Nutrient losses associated with irrigation, intensification and management of land use: A study of large scale irrigation in North Otago, New Zealand R.W. McDowell, T.J. van der Weerden and J. Campbell (Mosgiel, New Zealand)	877
Intercepted radiation by apple canopy can be used as a basis for irrigation scheduling I. Auzmendi, M. Mata, G. Lopez, J. Girona and J. Marsal (Lleida, Spain)	886

Short Communication

Supplemental saline drip irrigation applied at different growth stages of two bell pepper cultivars grown with or without mulch in non-saline soil D. Morales-Garcia, K.A. Stewart, P. Seguin and C. Madramootoo (Quebec, Canada)	893
--	-----