

Regular Articles

Daily photosynthetic radiation use efficiency for apple and pear leaves: Seasonal changes and estimation of canopy net carbon exchange rate I. Auzmendi, J. Marsal, J. Girona and G. Lopez	1
A mathematical model for the evaluation of cooperation and competition effects in intercrops A. Klimek-Kopyra, T. Zajac and K. Rebilas	9
Steps toward alternative farming system in rice M. Mukhopadhyay, J.K. Datta and T.K. Garai	18
Plant stand, nodulation and seed yield in soybean as affected by phosphate fertilizer placement, source and application method F. Salvagiotti, M. Barraco, D. Dignani, H. Sanchez, A. Bono, P. Vallone, G. Gerster, C. Galarza, J. Montoya and V.J. Gudelj	25
Impacts of conservation agriculture on total soil organic carbon retention potential under an irrigated agro-ecosystem of the western Indo-Gangetic Plains T.K. Das, R. Bhattacharyya, A.R. Sharma, S. Das, A.A. Saad and H. Pathak	34
Dry matter accumulation and post-silking N economy of 'stay-green' maize (<i>Zea mays</i> L.) hybrids J.R. Kosgey, D.J. Moot, A.L. Fletcher and B.A. McKenzie	43
Modeling the impact of global warming on the sorghum sowing window in distinct climates in Brazil M.C. Grossi, F. Justino, C. de Leis Teixeira Andrade, E.A. Santos, R.A. Rodrigues and L.C. Costa	53
Wheat yield response to spatially variable nitrogen fertilizer in Mediterranean environment B. Basso, D. Cammarano, C. Fiorentino and J.T. Ritchie	65
The effect of organic and conventional management on the yield and quality of wheat grown in a long-term field trial P. Bilborrow, J. Cooper, C. Tétard-Jones, D. Średnicka-Tober, M. Barański, M. Eyre, C. Schmidt, P. Shotton, N. Volakakis, I. Cakmak, L. Ozturk, C. Leifert and S. Wilcockson	71
Winter survival of winter rapeseed and winter turnip rapeseed infield trials, as explained by PPLS regression W. Waalen, S.I. Øvergaard, M. Åssveen, R. Eltun and L.V. Gusta	81
Seed number responses to extended photoperiod and shading during reproductive stages in indeterminate soybean A.G. Kantolic, G.E. Peralta and G.A. Slafer	91
Iron chlorosis in field grown olive as affected by phosphorus fertilization A.R. Sánchez-Rodríguez, J.C. Cañasveras, M.C. del Campillo, V. Barrón and J. Torrent	101
Effect of density, cultivar and irrigation on spring sown monocrops and intercrops of wheat (<i>Triticum aestivum</i> L.) and faba beans (<i>Vicia faba</i> L.) S. Barker and M.D. Dennett	108
Energy crop production in double-cropping systems: Results from an experiment at seven sites R. Graß, F. Heuser, R. Stülpnagel, H.-P. Piepho and M. Wachendorf	120
Sorghum grain yield, forage biomass production and revenue as affected by intercropping time E. Borghi, C.A.C. Crusciol, A.S. Nascente, V.V. Sousa, P.O. Martins, G.P. Mateus and C. Costa	130

Short Communication

Biomass production and N balance of giant reed (*Arundo donax* L.) under high water and N input in Mediterranean environments

M. Borin, A.C. Barbera, M. Milani, G. Molari, S.M. Zimbone and A. Toscano 117

Erratum

Retraction notice to "Use of digital photography from unmanned aerial vehicles for estimation of leaf area index in onion (*Allium cepa* L.)" [Eur. J. Agron. 45 (2013) 96-104]

J.I. Córcoles, J.F. Ortega, D. Hernández and M.A. Moreno 140