

# European Journal of Agronomy

Vol. 109

CONTENTS

SEPTEMBER 2019

## Regular Articles

- Is it feasible to reduce tillage and N use while improving maize yield in irrigated Mediterranean agroecosystems?  
E. Pareja-Sánchez, D. Plaza-Bonilla, J. Álvaro-Fuentes and C. Cantero-Martínez 125919
- Potential of indicators to unveil the hidden side of cropping system classification: Differences and similarities in cropping practices between conventional, no-till and organic systems  
L. Büchi, F. Georges, F. Walder, S. Banerjee, T. Keller, J. Six, M. van der Heijden and R. Charles 125920
- Benchmarking break-crops with wheat reveals higher risk may limit on farm adoption  
A. Fletcher 125921
- Effective population size ( $N_e$ ) of organically and conventionally grown composite cross winter wheat populations depending on generation  
S. Brumlop, O. Weedon, W. Link and M.R. Finckh 125922
- Modeling wheat nutritional quality with a modified CERES-wheat model  
J. Liu, H. Feng, J. He, H. Chen, D. Ding, X. Luo and Q. Dong 125901
- Foliar N application at anthesis alters grain protein composition and enhances baking quality in winter wheat only under a low N fertiliser regimen  
A. Rossmann, P. Buchner, G.P. Savill, M.J. Hawkesford, K.A. Scherf and K.H. Mühling 125909
- Evaluating the potential of winter beet in northern Germany by a simulation model  
H. Stephan, U. Böttcher, C.M. Hoffmann, K. Sieling and H. Kage 125910
- Development of a rice tungro epidemiological model for seasonal disease risk management in the Philippines  
K.-H. Kim, A.D. Raymundo and C.M. Aikins 125911
- Adapting irrigated and rainfed wheat to climate change in semi-arid environments: Management, breeding options and land use change  
I.M. Hernandez-Ochoa, D.N. Luz Pequeno, M. Reynolds, M.A. Babar, K. Sonder, A.M. Milan, G. Hoogenboom, R. Robertson, S. Gerber, D.L. Rowland, C.W. Fraisse and S. Asseng 125915
- Soil compaction effects on grassland silage yields and soil structure under different levels of compaction over three years  
P.R. Hargreaves, K.L. Baker, A. Graceson, S. Bonnett, B.C. Ball and J.M. Cloy 125916
- Residual effect of synthetic nitrogen fertilizers and impact on Soil Nitrifiers  
M. Quemada, M. Alonso-Ayuso, A. Castellano-Hinojosa, E.J. Bedmar, J.L. Gabriel, I. García González, F. Valentín and M. Calvo 125917
- Above- and belowground dry matter partitioning of four warm-season annual crops sown on different dates in a semiarid region  
Z. Zhang, K. Yu, X. Jin, Z. Nan, J. Wang, X. Niu, J.P.M. Whish, L.W. Bell and K.H.M. Siddique 125918