

## Publicaciones en revistas indexadas SCI

Abeledo, L.G., D.F. Calderini, G.A. Slafer, 2011. Modelling yield response of a traditional and a modern barley cultivars to different water and nitrogen levels growing in contrasting soil types. *Crop and Pasture Science* 62: 289–298.

Acreche, M., Slafer, G.A. 2011. Lodging yield penalties as affected by breeding in Mediterranean wheats. *Field Crops Research* 122: 40–48.

Carretero, R.; Bancal, M.O., Miralles, D.J. 2011. Effect of leaf rust (*Puccinia triticina*) on photosynthesis and related processes of leaves in wheat crops grown at two contrasting sites and with different nitrogen levels. *European Journal of Agronomy* 35: 237-246.

Cossani, M.C., Slafer, G.A., Savin, R., 2011. Do barley and wheat (bread and durum) differ in grain weight stability through seasons and water-nitrogen treatments in a Mediterranean location? *Field Crops Research* 121: 240-247.

Cossani, C.M., Thabet, C., Mellouli, H.J., Slafer, G.A. 2011. Improving wheat yields through N fertilization in Mediterranean Tunisia. *Experimental Agriculture* 47:459–475.

Foulkes, M.J., G.A. Slafer, W.J. Davies, P.M. Berry, R. Sylvester-Bradley, P. Martre, D.F. Calderini, S. Griffiths, M.P. Reynolds, 2011. Raising yield potential in wheat: III. Optimizing partitioning to grain while maintaining lodging resistance. *Journal of Experimental Botany* 62: 469-486.

García, G. A., Appendino, M. L., Serrago, R. A., Helguera, M., Vanzetti, L., Lombardo, L., Miralles, D. J. 2011. Variability of pre-anthesis phases as a strategy for increasing grain number in wheat (*Triticum aestivum* L.). *Field Crop Research* 124: 408-416.

Gomez N. V., Miralles D.J., 2011. Factors that modify early and late reproductive phases in oilseed rape (*Brassica napus* L.): Its impact on seed yield and oil content. *Industrial Crops and Products* 34: 1277-1285.

Gonzalez F.G., Miralles D.J, Slafer G. A. 2011. Survival of wheat floret primordia as related to pre-anthesis spike growth. *Journal of Experimental Botany* 62:4889-4901.

González, F.G., Terrile, I.I., Falcon, M.O., 2011. Spike fertility and duration of stem elongation as promising traits to improve potential grain number (and yield): variation in modern Argentinean wheats. *Crop Science*, 51:4, 1693-1702.

Grohs, D.S.; Bredemeier, C.; Poletto, N.; Mundstock, C.M., 2011 Validação de modelo para predição do potencial produtivo de trigo com sensor óptico ativo. *Pesquisa Agropecuária Brasileira* 46: 446-449. (Model for predicting yield potential in wheat by active sensing)

Hasan, A.K., J. Herrera, C.X. Lizana and D.F. Calderini, 2011. Carpel weight, grain length and stabilized grain water content are physiological drivers of grain weight determination of wheat. *Field Crops Research*. 123: 241-247.

Isidro, J., Alvaro, F., Royo, C., Miralles, D.J., Garrido, L.F., 2011. Changes in apical development of durum wheat caused by breeding during the 20<sup>th</sup> century: Analysis by phases and its implications for yield formation. *Annals of Botany – en prensa*-doi:10.1093/aob/mcr063.

Pedro, A.; Savin, R.; Habash, D.Z.; Slafer, G.A., 2011 Physiologial attributes associated with yield and stability in selected lines of a durum wheat population. *Euphytica* 180: 195-208.

Valle, S.R., D. Pinochet , D.F. Calderini, 2011. Uptake, partitioning and use efficiency of N, P, K, Ca and Al by wheat Al-sensitive and Al-tolerant cultivars under a wide range of soil Al concentrations. *Field Crops Research*. 121: 392–400.

von Zitzewitz J, Cuesta-Marcos A, Condon F, Castro A, Chao S, Corey A, Filichkin T, Fisk S, Gutierrez L, Haggard K, Karsai I, Muehlbauer G, Smith K, Veisz O, Hayes PM, 2011. The genetics of winterhardiness in barley: perspectives from genome-wide association mapping. *The Plant Genome* 47: 76-91

## Libros editados

Araus, J.L., Slafer, G.A., 2011.. Crop Stress Management and Global Climate Change. CABI Climate Change Series. CAB International, Wallingford, U.K., 17 Chapters, ISBN: 9781845936808 (<http://bookshop.cabi.org/?page=2633&pid=2259&site=191>).

Miralles D.J, Abeledo G.L., Benech-Arnold R.L, 2011. *Cebada Cervecera*. Editorial Facultad de Agronomía, Buenos Aires : 284 p.. ISBN 978-987-9260-84-5.

## Capitulos de libros

Abeledo, L.G., Alzueta I., Miralles D.J., 2011. Manejo de la fecha de siembra y la densidad. En: *Cebada cervecera*. Eds. Miralles D.J, Abeledo G.L., Benech-Arnold R.L. Editorial Facultad de Agronomía, Buenos Aires. pp: 63-90 (ISBN 978-987-9260-84-5).

Miralles D.J., Arisnabarreta S., Alzuela, I., 2011. Desarrollo ontogénico y generación del rendimiento. En: *Cebada cervecera* Eds. Miralles D.J, Abeledo G.L, Benech-Arnold R.L. Editorial Facultad de Agronomía, Buenos Aires. pp: 3-34 (ISBN 978-987-9260-84-5).

Savin, R., Aguinaga, A. 2011. Los requerimientos de la industria: Calidad comercial e industrial y sus determinantes. En: *Cebada cervecera*. Editors: D.J. Miralles, R. L. Benech-Arnold, L.G. Abeledo.

Serrago R.A; Carretero R., Miralles D.J., 2011 Aspectos ecofisiológicos para el manejo de enfermedades foliares. En *Cebada cervecera* Eds. Miralles D.J, Abeledo G.L y Benech-Arnold R.L. Editorial Facultad de Agronomía, Buenos Aires. pp. 115-134 ( ISBN 978-987-9260-84-5).

Slafer, G.A. 2011. Challenges and Opportunities for Further Improvements in Wheat Yield. In: “*Challenges for Agricultural Research*” ISBN 9789264090095, OECD Publishing, Prague, Czech Republic, pp. 153-164.