

Refereed papers 2014 onwards by P.S. Kettlewell

Published

Kettlewell, P.S. (2014). Waterproofing wheat - a re-evaluation of film antitranspirants in the context of reproductive drought physiology. *Outlook on Agriculture* **43**:25-29.

Kondhare, K.R., Hedden, P., Kettlewell, P.S., Farrell, A.D. and Monaghan, J.M. (2014). Use of the hormone-biosynthesis inhibitors fluridone and paclobutrazol to determine the effects of altered abscisic acid and gibberellin levels on pre-maturity alpha-amylase formation in wheat grains. *Journal of Cereal Science* **60**:210-216.

Kondhare, K.R., Hedden, P., Kettlewell, P.S., Farrell, A.D. and Monaghan, J.M. (2014). Comparison of two methods of application to maximize uptake of exogenous abscisic acid and gibberellic acid by developing wheat grains. *Scientific Reports* **4**, Article number: 5355 doi:10.1038/srep05355

Kondhare, K.R., Farrell, A.D., Kettlewell, P.S., Hedden, P. and Monaghan, J.M. (2015). Pre-maturity α -amylase in wheat: The role of abscisic acid and gibberellins. *Journal of Cereal Science* **63**:95-108.

Beacham, A. M., Monaghan J. M. and Kettlewell, P.S. (2015). Culinary herb growth and appearance in response to high salinity and high pH treatments in substrate-based and substrate-free conditions. *Journal of Horticultural Science & Biotechnology* **90**:164-170.

Weerasinghe, M.M., Kettlewell, P.S., Grove, I.G.G. and Hare, M.C. (2016). Evidence for improved pollen viability as the mechanism for film antitranspirant mitigation of drought damage to wheat yield. *Crop and Pasture Science* **67**:137-146.

In press

Faralli, M., Grove, I.G.G., Hare, M.C., Boyle, R.D., Williams, K.S., Corke F.M.K. and Kettlewell, P.S. (2016). Canopy application of film antitranspirants over the reproductive phase enhances yield and yield-related physiological traits of water stressed oilseed rape (*Brassica napus* L.). *Crop and Pasture Science* (in press).

Submitted

Faralli, Michele; Grove, Ivan ; Hare, Martin; Kettlewell, Peter; Fiorani, Fabio, Dynamic regulation of leaf gas-exchange through antitranspirant in *Brassica napus* seedlings subjected to reduced water availability depends on CO₂ concentration via effects on mesophyll function. *Plant, Cell & Environment*.