



Department of
Agriculture and Food



Free Seminar: Friday 11am, 29 November 2013

**Main Conference Room 1
3 Baron-Hay Court, South Perth
Western Australia**

Title: Statistical aspects of on-farm experimentation

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This talk reviews options for the design and analysis of on-farm experiments. It covers both older approaches that have been popular since the Green Revolution, and more recent developments made possible by the availability of online monitoring systems as used in precision farming. The role of randomization as well as of geostatistical methods of analysis for these kinds of experiments is critically discussed. Several examples are provided for illustration.

Talk is based on this paper:

Piepho, H.P., Richter, C., Spilke, J., Hartung, K., Kunick, A., Thöle, H. (2011): Statistical aspects of on-farm experimentation. *Crop and Pasture Science* **62**, 721-735.

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Thank you.