Designing Experiments

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This article is very much under construction, but check out

- the old version of this chapter here
- the packages {FielDHub} and {agricolae}
- these publications:
 - Casler (2015)
 - H. P. Piepho, Büchse, and Emrich (2003)
 - H. P. Piepho, Büchse, and Richter (2004)
 - Hans-Peter Piepho et al. (2022)
- Casler, Michael D. 2015. "Fundamentals of Experimental Design: Guidelines for Designing Successful Experiments." Agronomy Journal 107 (2): 692–705. https://doi.org/10.2134/agronj2013.0114.
- Piepho, H. P., A. Büchse, and K. Emrich. 2003. "A Hitchhiker's Guide to Mixed Models for Randomized Experiments." *Journal of Agronomy and Crop Science* 189 (5): 310–22. https://doi.org/10.1046/j.1439-037X.2003.00049.x.
- Piepho, H. P., A. Büchse, and C. Richter. 2004. "A Mixed Modelling Approach for Randomized Experiments with Repeated Measures." *Journal of Agronomy and Crop Science* 190 (4): 230–47. https://doi.org/10.1111/j.1439-037X.2004.00097.x.
- Piepho, Hans-Peter, Doreen Gabriel, Jens Hartung, Andreas Büchse, Meike Grosse, Sabine Kurz, Friedrich Laidig, et al. 2022. "One, Two, Three: Portable Sample Size in Agricultural Research." *The Journal of Agricultural Science* 160 (6): 459–82. https://doi.org/10.1017/s0021859622000466.