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How to Measure and Report Growing Conditions for Experiments in Controlled Environments

International Committee for Controlled Environment Guidelines

New Zealand contact: Paul T Austin, HortResearch Palmerston North Research Centre, Private Bag 11 030, Palmerston North, New Zealand,
E-mail: paustin@hortresearch.co.nz

Conditions in controlled environment plant growth rooms and chambers should be reported accurately, to allow replication of experiments, comparison of results among facilities and to avoid experimental artefacts from uncontrolled variables. This poster and its accompanying guidelines brochure (entitled *Minimum guidelines for measuring and reporting environmental parameters for experiments on plants in growth rooms and chambers*, and published by the International Committee for Controlled Environment Guidelines in March, 2004) provide a recommended minimum for the amount, type and format of information that should be measured and reported to meet these aims. They distil the essential details of ANSI/ASAE Engineering Practice EP 411.4 (2002) *Guidelines for measuring and reporting environmental parameters for experiments on plants in growth rooms and chambers* to a minimum level sufficient for broad application in the area of plant biotechnology and other plant growth research.

The guidelines are the fruit of effort by the 16-member International Committee for Controlled Environment Guidelines (see <http://www.ceug.ac.uk/ICCEG.htm> for details of the committee's membership), initiated at the international Controlled Environment meeting in 2001 at Norwich, UK, under the auspices of the North American Committee on Controlled Environment Technology and Use (NCR-101), the UK Controlled Environment Users' Group (UK CEUG), and the Australasian Controlled Environment Working Group (ACEWG).

For additional information, please visit:

<http://www.ceug.ac.uk/Minimum-guidelines.htm>

<https://www.controlledenvironments.org/reporting-guidelines/>