

BIOGRAPHY

11/10/2012



Title and name

Prof Robert Smith

Nationality

British

Panel

Plant Protection Products and their Residues (PPR)

Education

PhD, 1978, University of Reading. MSc, 1972, University of Reading. BA, 1970, University of York

Scientific and risk assessment experience

- Environmental risk assessment of pesticides
 - Human risk assessment for chemicals in food
 - Research in ecology, evolution, behaviour and modelling
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Main scientific publications

Population biology, ecotoxicology, pest management and modelling.

Lambert, M., Quay, R., Smith, R.H. and Cowan, D. (2008) The effect of habitat management on home-range size and survival of rural Norway rat populations. *J. Applied Ecology*, 45, 1753-1761.

Moe, J.S., Kristoffersen, A.B., Smith, R.H. & Stenseth, N.C. (2005) From patterns to processes and back: analysing density-dependent responses to an abiotic stressor by statistical and mechanistic modelling. *Proc. Royal Society of London - B - Biol. Sci.*, 272, 2133-2142.

Brakes, C.R. & Smith, R.H. (2005) Exposure of non-target small mammals to rodenticides: short term effects, recovery and implications for secondary poisoning. *J. Applied Ecology*, 42, 118-128.

Ellner, S.P., Seifu, Y. & Smith, R.H. (2002) Fitting population dynamic models to time-series data by gradient matching. *Ecology*, 83, 2256-2270.

Moe, J., Stenseth, N.C. & Smith, R.H. (2002) Density dependence in blowfly populations: experimental evaluation of non-parametric time-series modelling. *Oikos*, 98, 523-533.

Moe, S.J., Stenseth, N.C. & Smith, R.H. (2002) Density-dependent compensations in experimental blowfly populations give indirectly positive effects of a toxicant. *Ecology*, 83, 1597 - 1603.

Moe, J., Stenseth, N.C. & Smith, R.H. (2001) Effects of a toxicant on population growth rates: sublethal and delayed responses in blowfly populations. *Functional Ecology*, 15, 712-721.

Lingjaerde, O.C., Stenseth, N.C., Kristoffersen, A.B., Smith, R.H., Moe, J., Read, J.M., Daniels, S. & Simkiss, K. (2001) Exploring non-linearities in the stage-specific density-dependent structure of experimental blowfly populations using non-parametric additive modelling. *Ecology*, 82, 2645-2658.

Smith, R.H. (1999) Population biology and non-target effects of rodenticides: trying to put the eco into ecotoxicology. *Advances In Vertebrate Pest Management* (Eds. D.P. Cowan and C.J. Feare), 331-346.

Buckle, A.P. & Smith, R.H. (Eds.) (1994) *Rodent Pests and their Control*, 405 pp. CAB International, Wallingford.
