# BIOGRAPHY

21/07/12

**Title and name**
Professor Anthony Richard Hardy

**Nationality**
UK

**Panel**
**Scientific Committee**

**Education**
Bachelor of Arts (BA Honours), 1972, University of Oxford, UK
Master of Arts (MA), 1973, University of Oxford, UK
Doctor of Philosophy (PhD), 1977, University of Aberdeen, UK

**Scientific and risk assessment experience**
With a scientific background as a research ecologist, environmental chemist and ecotoxicologist, the main areas of my research and risk assessment experience are in
the environmental impact of agricultural chemicals (pesticides) on wildlife
the development of field trials and methods to assess impact on individuals and populations
the environmental impact of different farming systems on target and non-target wildlife
the environmental risk assessment of genetically modified organisms
wider food safety risk assessment of various chemical and biological agents, pathogens and contaminants
over 35 years of risk assessment experience on national and international regulatory pesticide and food safety committees
risk assessment terminology

**Main scientific publications**
Main relevant areas of publications in ecotoxicology and the environmental impact of agricultural pesticides

Hardy A R and Stanley P I (1984). The impact of the commercial agricultural use of organophosphorus and carbamate pesticides on British wildlife. In: Agriculture and the Environment. Jenkins, D E (Ed). pp 72-80. ITE Symnposium No. 13, Institute of Terrestrial Ecology, Cambridge.

Stanley P I and Hardy A R (1984). The environmental implications of current pesticide usage on cereals. In: Agriculture and the Environment. Jenkins, D E (Ed). pp 66-72. ITE Symposium No. 13, Institute of Terrestrial Ecology, Cambridge.

Hardy A R, Fletcher M R and Stanley P I (1986). Twenty years of vertebrate wildlife incident investigations by MAFF. State Veterinary Journal 117: 182-192.

Hardy A R, Stanley P I and Greig-Smith PW (1987). Birds as indicators of the intensity of use of agricultural pesticides in the UK. In: The Value of Birds. Diamond A W and Filion, F L (Eds). International Council for Bird Preservation, Technical Publication 6, Cambridge, England, pp 119-132.

Greig-Smith P W, Frampton G K and Hardy A R (1992). Eds. Pesticides, Cereal Farming and the Environment. (The Boxworth Project). HMSO 288p.

Hardy A R, Westlake G E, Lloyd G A, Brown P M, Greig-Smith P W, Fletcher M R, Tarrant K A, Stanley P I (1993). An intensive field trial to assess hazards to birds and mammals from the use of methiocarb as a bird repellent on ripening cherries. Ecotoxicology. 2: 1-31.

Greig-Smith P W, Thompson H M, Hardy A R, Bew M H, Findlay E and Stevenson J H (1994) A review of poisoning of honeybees (Apis mellifera) by agricultural pesticides in Great Britain 1981-91. Crop Protection 13: 567 - 581.

Roberts T M and A R Hardy (2005). Risk assessment of genetically modified plants, food and feed in the European Community. Conference Proceedings of International Conference on Biosafety, 21-23 February 2005, Oman Vol. 2 (17 pp).

Boxall AB, Hardy A, Beulke S, Boucard T, Burgin L, et al. (2008) Impacts of Climate Change on Indirect Human Exposure to Pathogens and Chemicals from Agriculture. Environ Health Perspect 117(4): doi:10.1289/ehp.0800084
http://www.ehponline.org/docs/2008/0800084/abstract.html

Karin M. Nienstedt, Theo C.M. Brock, Joke van Wensem, Mark Montforts, Andy Hart, Alf Aagaard, Anne Alix, Jos Boesten, Stephanie K. Bopp, Colin Brown, Ettore Capri, Valery Forbes, Herbert Köpp, Matthias Liess, Robert Luttik, Lorraine Maltby, José P. Sousa, Franz Streissl, Anthony R. Hardy (2012). Development of a framework based on an ecosystem services approach for deriving specific protection goals for environmental risk assessment of pesticides. Science of the Total Environment 415: 31–38