

BIOGRAPHY

27th June 2012.



Title and name

Dr. Richard Baker

Nationality

British.

Panel

Plant Health

Education

MA, DPhil Oxford University, UK

Scientific and risk assessment experience

Many years experience as a pest risk analyst, leading a Pest Risk Analysis team, developing PRA schemes, extending PRA schemes to invasive alien species panel and enhancing PRA schemes through collaborative research, e.g. through the EU 7th Framework Project, PRATIQUE.

My particular research interests are in developing the science of pest risk analysis by the use of geographical information systems, mathematical models and generic risk analysis systems.

Prior to my career in pest risk analysis, I worked as a medical entomologist studying the black fly vectors of onchocerciasis (river blindness) in Africa.

Main scientific publications

Papers on the development of pest risk analysis science

Baker, R.H.A. 2012. An introduction to the PRATIQUE Research Project. EPPO Bulletin 42, 1–2

Schrader, S., MacLeod, A., Petter, F., Baker, R.H.A., Brunel, S., Holt, J., Leach, A.W. & Mumford, J.D. 2012. Consistency in pest risk analysis – how can it be achieved and what are the benefits? EPPO Bulletin 42, 3–12

Bremmer, J., Petter, F. & Baker, R. 2012. Improvements to the economic impact assessment section of the EPPO PRA scheme. EPPO Bulletin 42, 13–20

Kenis, M., Bacher, S., Baker, R. H. A., Branquart, E., Brunel, S., Holt, J., Hulme, P.E., MacLeod, A., Pergl, J., Petter, F., Pysek, P., Schrader, G., Sissons, A., Starfinger, U., & Schaffner, U. 2012. New

protocols to assess the environmental impact of pests in the EPPO decision-support scheme for pest risk analysis. EPPO Bulletin 42, 21–27

Eyre, D., Baker, R.H.A., Brunel, S., Dupin, M., Jarosik, V., Kriticos, D.J., Makowski, D., Pergl, J., Reynaud, P., Robinet, C. & Worner, S. 2012. Rating and mapping the suitability of the climate for pest risk analysis. EPPO Bulletin 42, 48–55

Kriticos, D.J., Reynaud, P., Baker, R.H.A. & D. Eyre, D. 2012. Estimating the global area of potential establishment for the western corn rootworm (*Diabrotica virgifera virgifera*) under rain-fed and irrigated agriculture. EPPO Bulletin 42, 56–64

Baker, R.H.A, Benninga, J., Bremmer, J., Brunel, S., Dupin, M., Eyre, D., Ilieva, Z., Jarosik, V., Kehlenbeck, H., Kriticos, D.J., Makowski, D., Pergl, J., Reynaud, P., Robinet, C., Soliman, T., Van der Werf, W. and Worner, S. 2012 A decision-support scheme for mapping endangered areas in pest risk analysis. EPPO Bulletin 42, 65–73

Kehlenbeck, H., Robinet, C., van der Werf, W., Kriticos, D., Reynaud, P. & Baker, R. 2012. Modelling and mapping spread in pest risk analysis: a generic approach. EPPO Bulletin 42, 74–80

Sunley, R., Cannon, R., Eyre, D., Baker, R.H.A, Battisti, A., Giltrap, N. & Griessinger, D. 2012. A decision-support scheme that generates contingency plans and prioritizes action during pest outbreaks. EPPO Bulletin 42, 89–92

Carrasco, L.R., Baker, R., MacLeod, A., Knight, J.D., Mumford, J.D., 2010. Optimal and robust control of invasive alien species spreading in homogeneous landscapes. Journal of the Royal Society Interface. 7, 529-540. doi:10.1098/rsif.2009.0266
