

In memory of Dr Richard Allen



Introduction by Dave Arnold

Presentations by Jos Boesten and Russell Jones

Richard's career in pesticide science

- 1985: PhD: University of Leeds ,UK, supervisor Prof. Allan Walker
- Thesis: The influence of soil properties on herbicide degradation
- 1986 Hazelton Laboratories, Harrogate, UK
- 1987 : First Publication in Pesticide Science : *Richard Allen and Allan Walker : The Influence of Soil Properties on the Rates of Degradation of Metamitron, Metazachlor and Metribuzin:*

Conclusions: Although statistically significant correlations between rates of degradation of the three herbicides and various soil properties were obtained, the relationships were generally not sufficient simply to be used as a means of forecasting degradation rates and hence persistence in practice. In order to do this, it would be necessary for the rates of degradation to be correlated with a readily measurable and stable soil parameter such as clay or organic matter content, or soil pH.

•1988-1998 : Schering Agrochemicals / AgrEvo UK Chesterford Park (Team Leader then Section Head Soil and Plant Metabolism)

Richard developed a keen interest in the use of spatial data from soil maps (organic carbon, pH, textural class) in association with climate data to conduct early model predictions of persistence based upon laboratory soil degradation studies and field dissipation data.

An active member of the UK Modelling group chaired by Andrée Carter of the Soil Survey, established to debate fate and behaviour modelling issues with experts from academia, government and industry.

Issues: run-off and leaching models and use of undisturbed soil monoliths as lysimeters for generating leaching data, an expensive technique beloved of the BBA in Germany.



Later Richard became a member of the EU FOCUS Group developing Surface Water Scenarios for use in modelling.

SANCO/4802/2001-rev.2 final (May 2003)

EUROPEAN COMMISSION HEALTH & CONSUMER PROTECTION DIRECTORATE-GENERAL

Directorate E - Food Safety: plant health, animal health and welfare, international questions E1 - Plant health

FOCUS SURFACE WATER SCENARIOS
IN THE EU EVALUATION PROCESS UNDER 91/414/EEC.

Report prepared by the FOCUS Working Group on Surface Water Scenarios

Authors: J. Linders, P. Adriaanse, **R. Allen**, E. Capri, V. Gouy, J. Hollis, N. Jarvis, M. Klein, P. Lolos, W.-M. Maier, S. Maund, C. Pais, M. Russell, L. Smeets, J.-L. Teixeira, S. Vizantinopoulos, D. Yon

Richard's career path continues now in the USA...

- 1998 -2000 AgrEvo Goldsboro North Carolina USA: Head of Soil Metabolism group
- 2000-2003 Aventis CropScience NC: Leader Soil and Water Modelling Group
- 2003 -2006 Bayer CropScience Stilwell Kansas, USA: Group leader Soil and Water Residues
- 2006-2009 Bayer CropScience Monheim, Germany: Group Leader Product Responsible Scientists .
- 2009-2011. Bayer CropScience. NC: Product Safety Manager
- 2011-2016 Valent USA Corporation, California USA : Director Valent Technical Center

Richard's further contributions to the world of pesticide fate and behaviour:

- Developing pesticide surface water and groundwater monitoring strategies.
- Developing and applying modelling to improve pesticide monitoring programs in the USA.
- Co-author of 50 publications : 9 presentations and 5 papers co-authored with Russell Jones.

E T and C: SUMMARY OF POTABLE WELL MONITORING CONDUCTED FOR ALDICARB AND ITS METABOLITES IN THE UNITED STATES IN 2005

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- Member of the Pyrethroid Working Group Ecotoxicology Committee.

What colleagues and friends have said about Richard

- First rate scientist
- Thoughtful and supportive manager
- Believed that work should be enjoyable
- Gained the respect of those reporting to him
- Explained complex problems in easy to understand terms.
- Valent Management : “He enriched our lives”
- Passionate football supporter
- Hooked on the TV soap opera: Coronation Street.
- Deeply committed Christian.
- Loved his family.
- Great sense of humour

