Brief Curriculum Vitae

Dr Koos Bornman
Consultant

Presentation Topic: Deriving economic optimum phosphorous fertilizer guidelines for maize from field response data



Doctor Bornman studied at the University of Pretoria from 1977, with Chemistry, Soil Science and Plant Nutrition as major subjects. He completed all degrees including a PhD (1993) at the same university.

While studying, he worked as research officer, laboratory manager and lecturer at the Department of Soil Science and Plant Nutrition at the University of Pretoria. In 1987 he accepted the position as Research Manager at the then FSSA (Fertilizer Society of South Africa), now called FERTASA, a position he held for 2 years. In 1989 he started working for local and international fertilizer companies (AECI/Kynoch, Norsk Hydro, Yara and Omnia) where he held several positions over a period of 33 years. Amongst others, Manager: Agronomy Research, General Manager: Solution Development and Executive Officer Marketing: Premium Products, Southern Africa.

During his studies, Dr Bornman specialized in soil chemistry, more specifically lime product efficiency evaluation (MSc) and lime, soil phosphorus dynamics (PhD). He is the author and co-author of 25 scientific papers, more than 300 research reports, 5 book chapters and multiple semi-scientific publications and formal presentations. He is the holder of six medals, four from the FSSA (Fertilizer Society of SA/FERTASA), including the prestigious silver and gold medals, and two from the SSSSA (Soil Science Society of South Africa) for research achievements and outstanding papers presented or published. He recently also received an honorary reward from the SASCP (South African Society of Crop Production). He was awarded an AECI (African Explosives and Chemical Industries) “Research Fellowship” and was twice nominated as Fertilizer Researcher of the Year (Sub-Saharan Africa) by the International Fertilizer Association (IFA).

Besides his scientific qualifications, Dr Bornman has credentials in business administration and financial management, including the Senior Management Program offered by the previous Business Management School of the University of Pretoria and Financial Management at the Business School of the University of the Witwatersrand (WITS). He also completed a comprehensive course on the economics of fertilization presented by the IFDC (International Fertilizer Development Centre) in Wageningen (Netherlands).

Dr Bornman is a member of various local and international scientific associations and is a previous President of the Soil Science Society of SA.

After devoting his career to enhance nutrient use efficiency, his quest continues, where his primary focus areas as independent consultant are fertigation, hydroponics and practical use of bio stimulants.