Bob Rees

Research interests

A Professor in Agriculture and Climate Change, with research interests in carbon sequestration, agricultural greenhouse gas mitigation and adaptation. A soil and environmental scientist, with a long established history of research in nitrogen and carbon cycling and soil management in a range of crop and soil systems. A significant involvement in EU funded research programmes, and recently co-ordinated Legume-Futures an EU Framework project on the role of legumes in farming systems. A participant in the recent projects on Marginal Abatement Cost Curves, and in an EU project on climate change adaptation. Currently expanding research activities on greenhouse gas mitigation in China and South Asia. His work has contributed to the publication of over 150 research papers, and he is recognised by Reuters as one of the world's leading climate researchers.

Qualifications

PhD, Nitrogen transformations in forest soils, University of Aberdeen
Award Date: 1 Jun 1985

Bachelor, Biology, University of Exeter
Award Date: 30 Jun 1981

Research outputs

Optimizing N rates enhanced crop yields and mitigated N2O emissions in a peanut–wheat cropping system in the North China Plain
Huang, W., Lang, P., Yang, H., Zheng, A., Li, W., Yang, Y., Zou, J., Olesen, J. E., Rees, R., Topp, C., Harrison, M., Liu, K., Song, Z., Wen, X., Yin, X. & Chen, H., 17 Sept 2026, (First published) In: Crop Journal.

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Mitigating NH_3 and N_2O emissions through deep placement of DMPP-amended urea with straw incorporation in upland soils
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Mitigating ammonium and nitrate leaching in rice-wheat crop rotation: efficacy of neem coated urea and compost co-application
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