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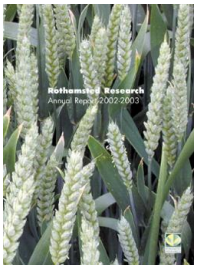
Rothamsted Research Annual Report 2002-2003



Full Table of Content

Research Divisions

Rothamsted Research

Rothamsted Research (2003) *Research Divisions ;* Rothamsted Research Annual Report 2002-2003, pp 11 - 11

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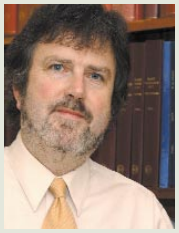
Six Research Divisions

CROP PERFORMANCE and IMPROVEMENT

Head of Division: Peter Shewry

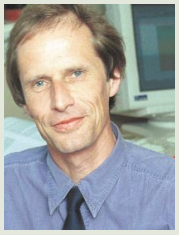
Mission: To improve crop productivity and quality by understanding and manipulating nutrient acquisition, primary and secondary metabolism, growth and development.



PLANT-PATHOGEN INTERACTIONS

Head of Division: John Lucas

Mission: To develop effective, durable, economic and environmentally sound strategies for the control of crop diseases through an improved understanding of the interactions between plants, pathogenic agents and the environment.



PLANT and INVERTEBRATE ECOLOGY

Head of Division: Ian Denholm

Mission: To understand the population dynamics and genetics of agricultural ecosystems and exploit chemistry and biodiversity to reduce the constraints on crop production and quality imposed by invertebrate pests and weeds.

BIOLOGICAL CHEMISTRY

Head of Division: John Pickett

Mission: To devise novel strategies for the management of pest populations through the identification and exploitation of naturally occurring semiochemicals that mediate pest behaviour and by understanding and countering pesticide resistance mechanisms together with knowledge of pesticide environmental fate.

AGRICULTURE and the ENVIRONMENT

Head of Division: Keith Goulding

Mission: To optimise crop yield and quality while protecting soils, water, the food chain and the global environment through an understanding of biogeochemical cycling and the ecology and remediation of soils.

SUGAR BEET PRODUCTIVITY and IMPROVEMENT

Head of Division: John Pidgeon

Mission: To enhance productivity and profitability while minimising environmental impact of sugar beet cultivation through genetic improvement, mitigation of biotic and abiotic stresses and optimisation of production systems.