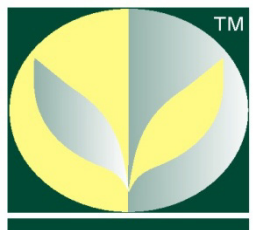


ROTHAMSTED
RESEARCH

Rothamsted Research Ltd.

Richard Nugent

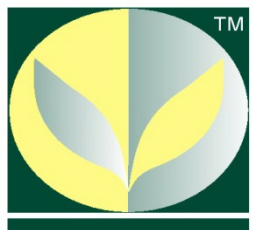




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Today

1. Knowledge Exchange and Commercialisation
2. Small selection of patents / technologies
3. How we can work together with you for mutual benefit



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RESEARCH

Knowledge Exchange

The exchange of knowledge through people, policy and practice

Commercialisation

Commercial use of knowledge and innovation through consultancy, licensing, and sale of scientific outcomes with commercial potential.

Knowledge Exchange

People, Policy and Practice

- People

 - Staff, Students, Interns

 - Visiting workers from other institutions (UK/International)

 - Industry partners working onsite with staff

 - Local, UK and international businesses (hosting onsite)

 - Rothamsted International

- Policy

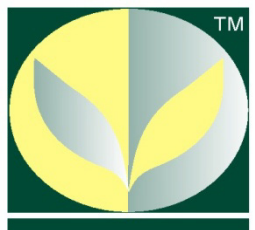
 - Inputs to policy making e.g. DEFRA Fertiliser Manual

- Practice

 - modelling resistance development

 - developing in-field biosensors with industry

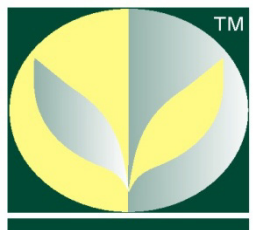
 - biomass advice to international growers



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Commercialisation

- Plant growth regulator technologies
- Biodiesel by-product soil amendment for Nitrogen retention
- Insecticide resistance reduction/removal technologies
- Natural nematicidal product
- Many others e.g. willow varieties, improved wheat for brewing



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Commercialisation today

- Rothamsted scientists are inventors in over 27 patents
- Many are licensed to companies – large and small
- Licensing activity is growing – this is due to increased interest in food security, novel pesticides, bioenergy, climate change, crop genetics and computational biology solutions (e.g. modelling software)
- IP is normally held by Rothamsted Research and licensed on a territorial, field by field basis
- Research for companies (with scientific question)

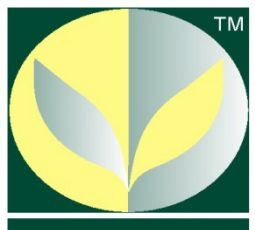
How can you work with Rothamsted Research?

Research institutions

- Joint collaborative research > Joint IP ownership
- Studentships > IP creation

Companies

- IP development (e.g. funded research for company)
- Research and Development / Evaluation Licences
- Commercial Licences
- Copyright and Database Licences (software, images, data)

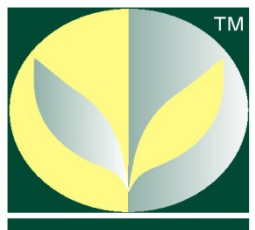


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Our vision for working with companies

1. Mutually beneficial collaboration / research
 2. Patent and technology licensing
- Most of our patents have been filed internationally
 - Full details of all technologies presented are available in Chinese.
 - Details of numerous other technologies are available

Please ask me for details



ROTHAMSTED
RESEARCH

Thank you

Richard Nugent

Head of Contracts, Intellectual Property and Commercialisation

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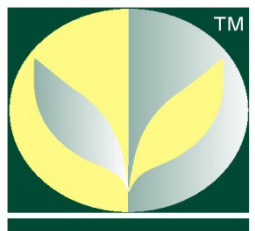
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Links to a few of our patents

A METHOD OF REDUCING NITRATE LEACHING FROM SOIL <http://bit.ly/RR-187>

METHOD FOR IMPROVING BIOMASS YIELD <http://bit.ly/RR-175>

Nematicidal Effects of Cysteine Proteinases and Methods of Use Thereof to Treat Nematode Infestation <http://bit.ly/RR-167US>

Please ask me for details of these and more