Innovation in AgriTech

The University of Auckland is dedicated to linking science and practice to support New Zealand’s critically important primary sector.

The University of Auckland has a long history of excellence in working as a cooperation partner with industry and our research teams are well integrated into domestic and international research networks, to understand the complex challenges that face the primary sector.

We utilise knowledge resources across many different fields to support industry - focus is placed on the pooling and linking of capability. We develop knowledge, train people and work with our partners - applying fundamental research with application in the field.
The University of Auckland is committed to helping our partners meet the demands of global, social and economic change

AgriTech Initiatives at The University of Auckland

- **Joint Graduate School in Dairy Research and Innovation** has been established in partnership with DairyNZ, LIC (Livestock Improvement Corporation) and AgResearch to facilitate increased collaboration within the sector and ensure high quality post graduate students.

- **The Institute for Innovation and Biotechnology (IIB)** is a multi disciplinary and industry cluster that supports innovation and an entrepreneurial spirit by integrating industry research staff into a high-tech environment. The IIB hosts several successful Agbio companies which currently include: ViaLactia; DairyNZ; AgResearch; LIC; Bayer Animal Health and Comvita.

- **Cross Faculty Research** - a number of initiatives have been embedded within the research environment to ensure the connecting of ideas across research areas. It is of critical importance to ensure innovation strength in the search for solutions to the major challenges that lie ahead.

Current AgriTech Projects at The University of Auckland

Our AgriTech research brings together a unique core of expertise in engineering, biological sciences and processes, food and health.

- Programme employing advanced molecular technologies (genomics, proteomics and metabolomics) to understand bovine function and ultimately contribute to the genetic gain of the national herd.

- Robotics, mechatronics and computer vision technologies utilised to automate pasture measurement. The research will inform on-farm practices to optimise pasture utilisation and increase productivity on-farm.

- Chemists, biologists and biomedical experts are undertaking ground breaking research in developing novel approaches to managing health and fertility in production animals.

- Identification of “natural” biological controls and analogues to manage disease in viticulture, fruit crops, animal pests and pasture.

- Animal nutritional studies investigating efficacy of supplements on a production animal’s early development, health status and lifetime productivity.

The University of Auckland

The University of Auckland is New Zealand’s leading university and is the only one ranked among the world’s top 200 universities by the *Times Higher Education World Rankings of Universities*. It is also the highest ranked New Zealand university in the QS World University Rankings and the Shanghai Jiao Tong Academic Ranking of World Universities.

The University of Auckland is an international centre of learning and academic excellence. It is New Zealand’s pre-eminent research-led institution and has key linkages with many of the world’s top research intensive universities.

The University actively seeks to work with government, other universities, research organisations, businesses and commercial consultancies in research, development and education.

Auckland UniServices Limited

Auckland UniServices Limited is the largest research and development company of its kind in the Southern Hemisphere and a wholly owned company of The University of Auckland.

By connecting its clients with The University’s brightest academic minds, UniServices provides commercial organisations the innovative technologies they seek, and governments the national programmes they need. The results can mean huge strides in a company’s international competitive edge, or in a country’s health, education and welfare capability.

UniServices manages all of The University’s intellectual property and is responsible for all research-based consultancy partnerships and commercialisation.

UniServices open innovation and world-class thinking can change the world.

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