NFR:

SCIENCE & TECHNOLOGY

Science will give farmers huge advantages



Regional Policy Adviser rederated Farmers By: DR LISA HARPET

scientific know-how is access to the right **FARMERS** have AKING SURE

necessary on-farm tools. environment and have the to know more about our environmental inputs, increase improve water quality, we need unpredictable climate and productivity, weather the Federated Farmers has been

a no-brainer. If we're to lower

achieve a science system that is urgently needed. The aim is to providers about where research government and science relaying information to central works better for farmers.

question with any certainty. exclusion and retirement of highly erodible land. They are such as tree planting, stock been investing for decades in keen to know that these been able to answer that nvestments are making a lifference but to date no one has neasures to control erosion. For example, farmers have

control sediment on-farm, is ever understanding the complexity of more important. what works and doesn't work to natural erosion processes, and livestock from waterways. So radar and particularly relevant current water reforms, it's to the debate around exclusion of increasingly on the national With sediment included in the

process that links nitrogen in air the 'nitrogen cycle', the natural There is also work to do on



erosion measures to contro decades ir -armers have beer nvesting to

cycle are often studied in isolation but scientists agree quality and emissions of the this works is necessary to greenhouse gas nitrous oxide meeting our goals for water water and soil. Knowing how cycle as a whole. As it is, there that we need more work on the Different bits of the nitrogen

> regularly wearing the results of management, with farmers impact environmental knowledge. These critically madequate data

nabitat and agricultural use best to provide for native fish and biodiversity perspectives. fish, both from the water quality This will help us work out how undamental research on native We also need more

could transform the quality and of its wild relatives. The aim is to produce rye grass varieties that been working alongside resilience of pasture, while giving resistant to disease. This work different micro-climates and need less water and fertiliser, are crossbreed rye grass with some heir environmental footprint. esearchers who want to armers another way to shrink ighly productive, adapted for Federated Farmers has also

do more, use less and keep our say. In this case, it's the power to competitive edge on the world 'Knowledge is power' as they

are some significant gaps in ou