



HAWKE'S BAY FUTURE FARMING
TE MATAU A MĀUI AHU WHENUA-HĪKINA TAIAO

Hawkes Bay Future Farming Trust

Farming for a Successful Future
May 2023



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Hawkes Bay Future Farming Trust

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Project Manager

David France.



Vision

Inspiring, promoting and celebrating profitable farming systems that enrich the environment and the community

Hawkes Bay Future Farming Trust is working with farmers to:

Regenerate Soil Health and build soil carbon

Promote Water Quality

Promote Vibrant Communities, Biodiversity and Animal Welfare

Support Sustainable Profitable farming systems using Smart Technologies



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Our Sponsors.

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HAWKES BAY
REGIONAL COUNCIL

TE KAUNIHERA Ā-ROHE O TE MATAU-A-MĀUI

BAYLEYS

country



HASTINGS

DISTRICT COUNCIL

Te Kaunihera ā-Rohe o Heretaunga



WHAT WE DO

1. Build and share knowledge about new and improved practices for Hawkes Bay Farmers by partnering with leading edge projects and establishing science to back new systems.

Monthly Newsletter

Video Series

Social Media

Events

Futurist Farming - Hon Damian O'Connor, Rod Oram..

Workshops - Soil Carbon Farming

- Regen farming for Ag professionals

- Field days on trial sites.

2023 Event -Recovery and rebuilding in wake of Gabrielle

2. Work with farmer groups, catchment groups, research institutes and govt agencies to build collaboration.



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3. Support projects to help farmers build sustainable farming systems to produce high quality foods

Sustainable Profitability Soil Carbon Farm Audit - Kamp Dairy Farm

Environmental Modelling - Ridler

Support remote sensor technology – MyEnviro/Ecometrics UK

Carbon Positive - Building Carbon in Intensive Field Cropping Systems - LandWISE

Lifting Performance Farming Carbon – HBFfT/Farmer groups/Processors

4. Build a regional brand/celebrated identity around superior HAWKE'S BAY agricultural performance and proud, resilient rural communities.

Carbon Positive:

Regenerating soil carbon in soils used for intensive field cropping.

Can soil health and quality be improved and input costs be reduced by adopting methods used to sequester carbon through sustainable and regenerative practices?

LandWISE



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Carbon Positive - Regenerating soil carbon in soils used for intensive field cropping

Comparing conventional vs regenerative intensive field crop systems

Ministry for Primary Industries
Manatū Ahu Matua



 HAWKE'S BAY
REGIONAL COUNCIL

Wattie's
KraftHeinz

 McCain


 BASF
The world of chemistry


 Process
Vegetables NZ

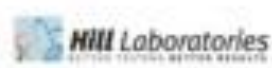
 Manaski Whenua
Landcare Research

 Plant & Food
Research
Te Hanga Whenua

 agrresearch
the natural, natural world

 MASSEY UNIVERSITY
TE HĀRENGA KI PĒNEROROA
UNIVERSITY OF NEW ZEALAND

 eurofins

 Hill Laboratories
ADVANCED TECHNOLOGY. BETTER RESULTS.

 Quorum
Sense

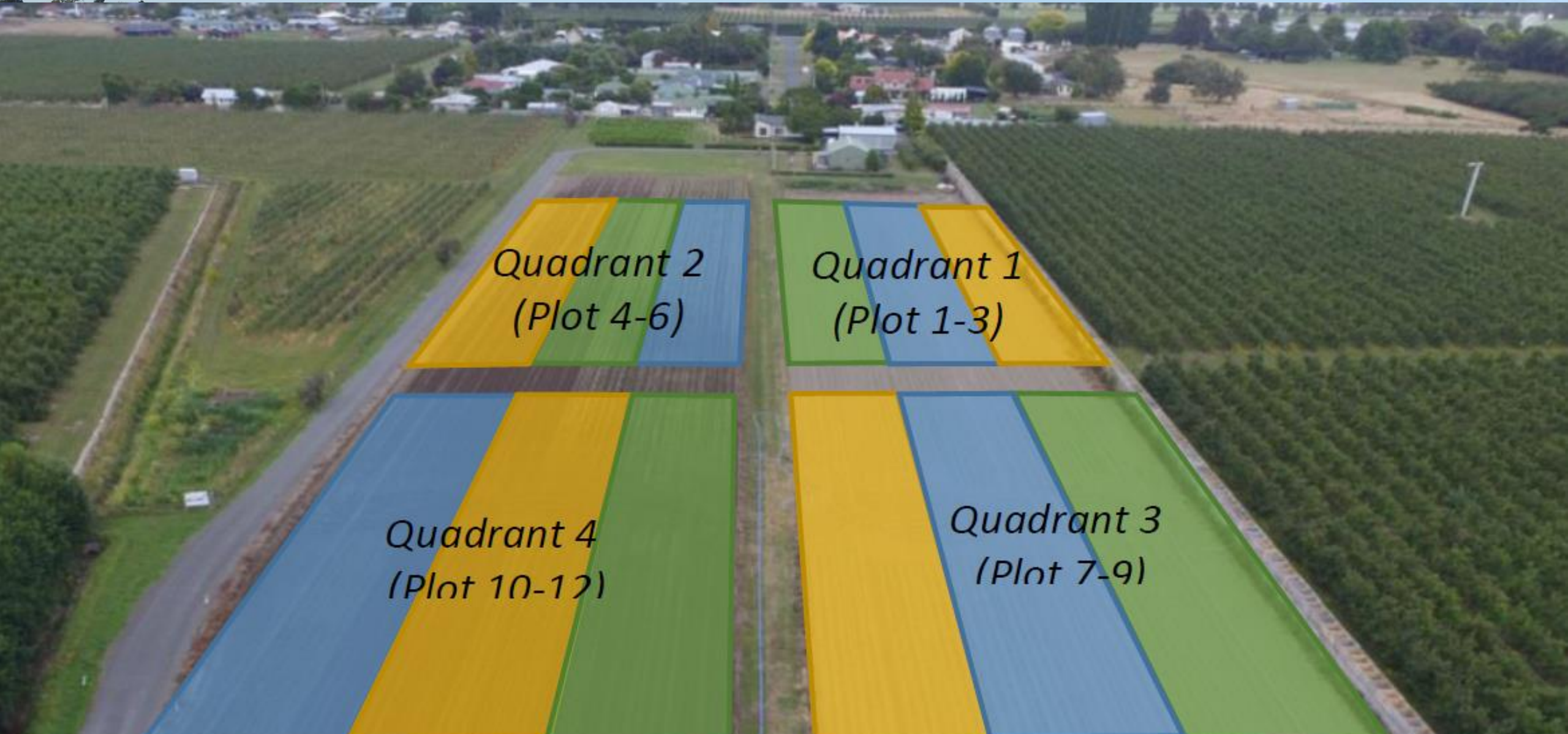


Carbon Positive MicroFarm Trial

- Testing over 6 years
- \$3.1 million
- Effect of alternative management strategies on
 - Soil quality
 - Carbon levels
 - Nutrient supply
 - Water holding abilities
 - Need for external inputs
- Incorporate Mātauranga Māori principles



Carbon Positive MicroFarm Trial



*Quadrant 2
(Plot 4-6)*

*Quadrant 1
(Plot 1-3)*

*Quadrant 4
(Plot 10-12)*

*Quadrant 3
(Plot 7-9)*

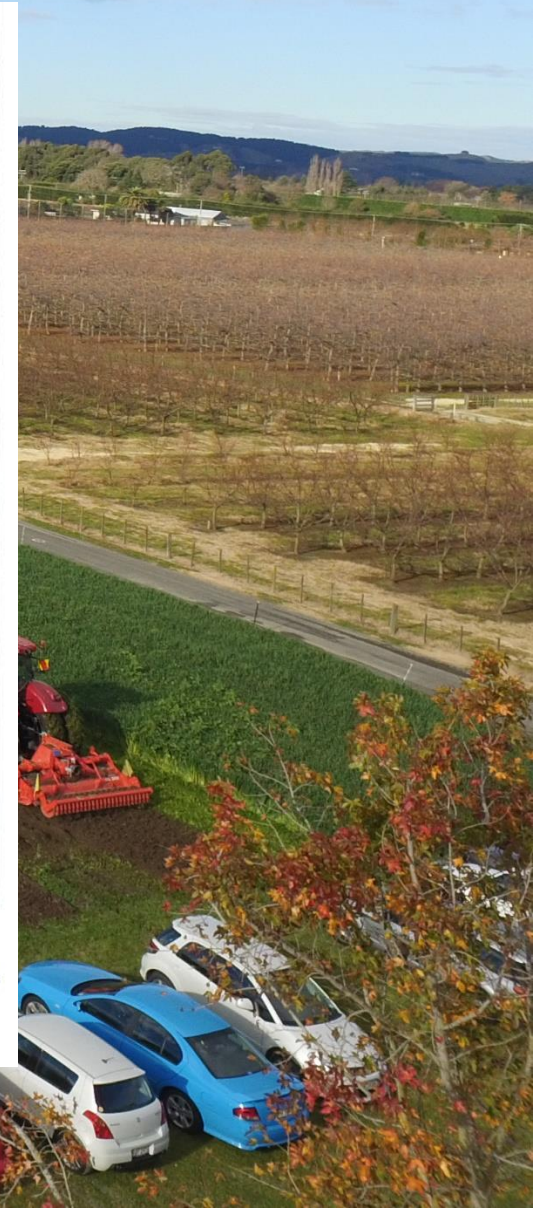
Carbon Positive MicroFarm Trial



Figure 7 Example of VSA soil layout shows surface cloddiness, but soil in generally good condition

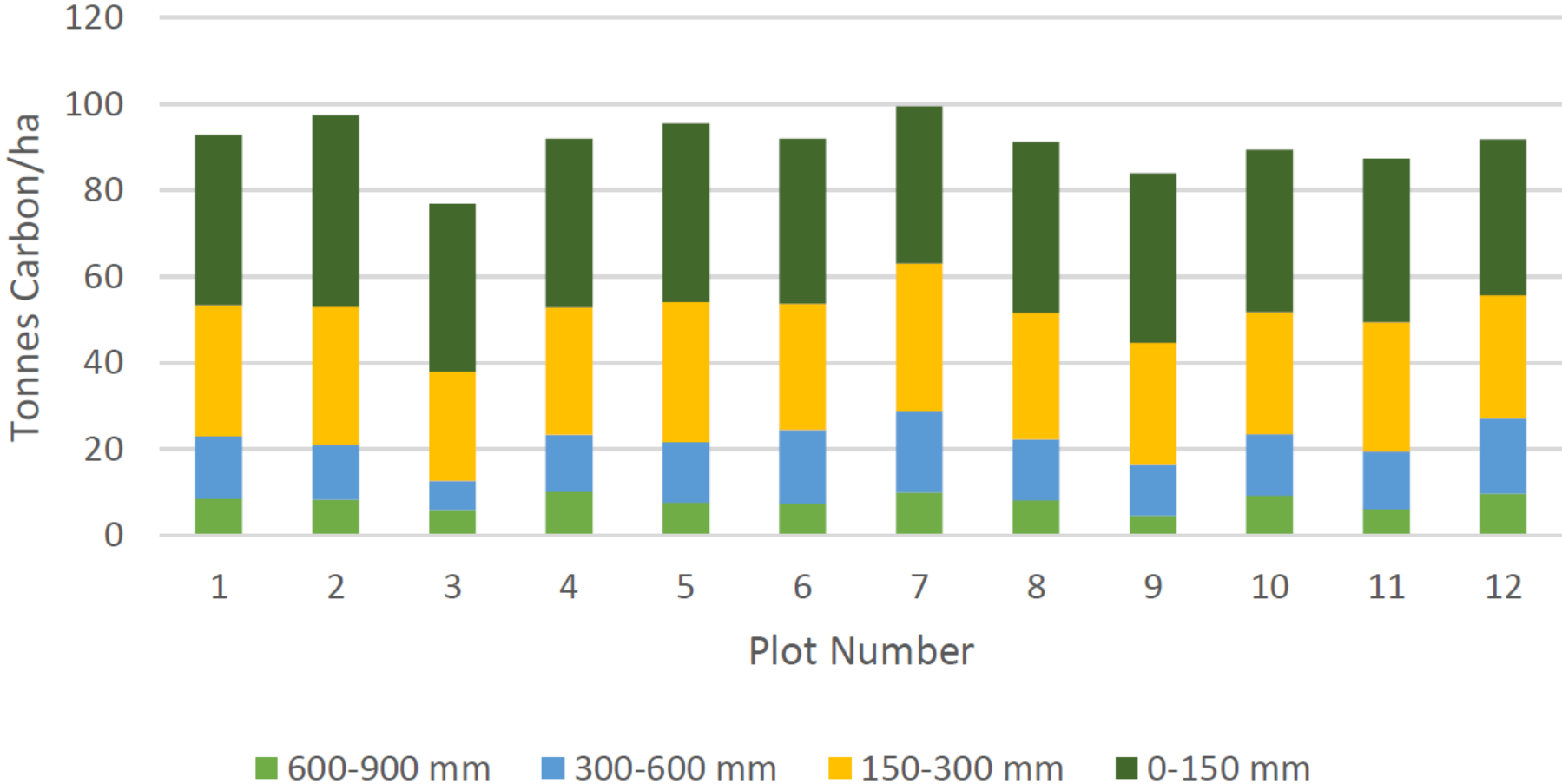


Figure 7 VSA taken at fence line shows soil in better condition, with a higher carbon content, better structure, and higher worm population



Carbon Positive MicroFarm Trial

Average Total Carbon at Each Sampled Depth





Mātauranga Māori

- Ruahāpia marae

Pōhatu Paku (Ngāti Hāwea and Ngāti Hori of Ngāti Kahungunu iwi)

Massey University

Professor Nick Roskruge

Engagement

Advisory and learning capacity



LandWISE



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ON FARM RESEARCH POUKAWA. "Evaluating Regenerative Agriculture and Developing Farmer Resilience on a Dryland Demonstration Farm."





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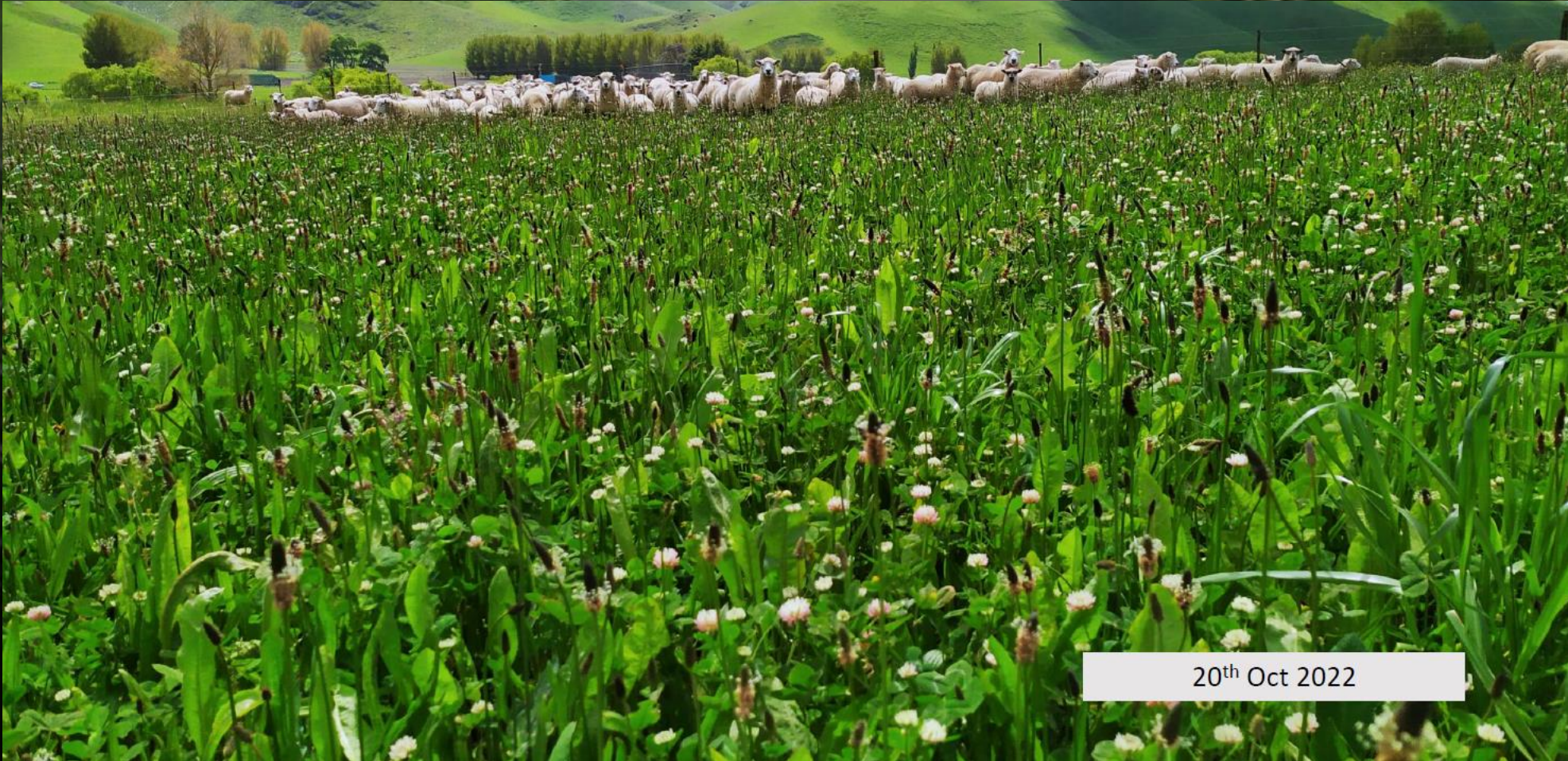


20th Oct 2022



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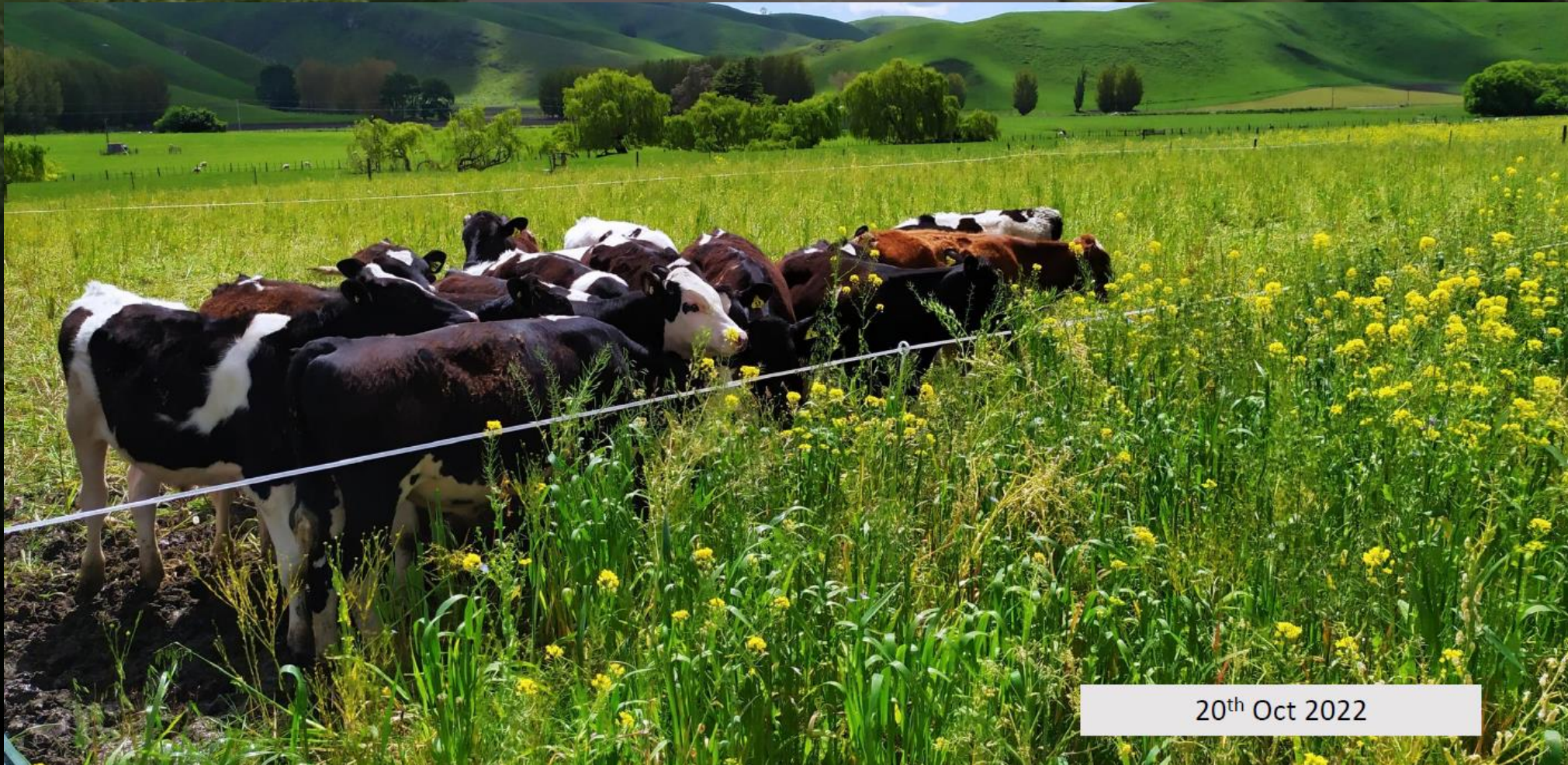




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ON Farm Research



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