



## King Country River Care - "Carbon Neutral" Pilot Farm Concept – Summary

1. King Country River Care (KCRC) are interested in helping their farmers better understand the concept of achieving/creating "carbon neutral" farm operations with the use of "pilot farms" from within the KCRC catchment.
2. Perrin Ag have been approached to further scope and cost this pilot farm concept.
3. This project will involve:
  - a. Define what should be meant by "carbon neutral" for this project, based off the NZ Government rules, alongside other in-market interpretations.
  - b. Modelling three existing farm operations to determine their existing environmental KPIs, GHG emissions (CH<sub>4</sub>, N<sub>2</sub>O and CO<sub>2</sub>), sequestration and profitability.
  - c. Identify the practical on-farm actions that will reduce emissions and then quantify the impacts of these.
  - d. Identify what suite of changes are required to get to "carbon neutral" and their combined impacts on farm.
  - e. On-farm field day(s) to share the results and summary reporting of this.
4. The work is intended to help KCRC farmers:
  - a. Better understand what various parties mean by the term "carbon neutral" and what level of rigour is being applied to achieving that status.
  - b. Obtain an understanding of the scale of change required for the pilot farm operations to become "carbon neutral" with indications regarding:
    - i. Feasibility; and
    - ii. The impact and level of importance of technology currently being developed by different parts of the agricultural industry.
5. An electronic report, based on the field-day information, will be prepared that KCRC can distribute to its members and the wider public as it chooses. Pilot farmers will also receive detailed analysis on their pathway to "carbon neutral".
6. The expected costs of the project, assuming three pilot farms, are \$73,900. Based on \$7,900 of in-kind farmer contribution and \$10,000 of funding from KCRC, \$56,000 of external funding will be required.

For more information, contact:

Anna Nelson, King Country River Care  
027 4900 501  
[kcrivercare@gmail.com](mailto:kcrivercare@gmail.com)

Peter Keeling, Perrin Ag  
027 444 587  
[peter@perrinag.net.nz](mailto:peter@perrinag.net.nz)