

QUARTERLY PROGRESS SUMMARY: July – September 2017

Transforming the Dairy Value Chain

Presentations, Publications & Training Courses

- 2 scientific publications
- 3 presentations at scientific conferences
- 18 industry workshops, resources, events or training programmes delivered
- 9 industry and media articles

Key highlights and achievements

- The On Farm end of the programme is winding down as many of the projects reach completion. Most of the on farm projects are well into transition to their post programme state.
- Over 430 rural professionals participated in Greenhouse Gas 101 Workshops which covered policy, science, research, and mitigations. Nine workshops were delivered by DairyNZ and AgResearch in the first two weeks of September 2017.
- Findings from longitudinal pasture persistence experiments have been transferred to the Forage Value Index technical working group to shape discussions on including persistence as a trait in the FVI.
- A new tool is available on the DairyNZ website to help farmers manage stand-off pads. The tool is based on animal welfare research that shows a tipping point in moisture content of the bedding above which cow lying time is significantly reduced. <https://www.dairynz.co.nz/farm/off-paddock-facilities/stand-off-pad/tipping-point-calculator/>
- LIC have completed development of a new genomic evaluation prototype to rank animals for inclusion in the sire proving scheme. This will be independently reviewed before the model is put into production.
- Proof of concept connectivity for Data Linker has been achieved with exchange of mock farm data between DairyBase and Farmax.
- Testing is underway for a new mathematical model that may be able to predict the stability of mineral fortified dairy beverages, reducing the need for storage trials. This has the potential to accelerate future product development projects.
- A study looking at the impact of dietary gangliosides on infants and children without the ability to synthesise these components is now complete and publication is in progress.
- ZESPRI are investigating the use of non-destructive testing methods developed in the programme to manage fruit quality issues in offshore grown kiwifruit.
- Fonterra has announced further expansion to the Waitoa UHT facility driven by strong demand for UHT products (including UHT Creams which have more than doubled in the last two seasons) https://www.fonterra.com/nz/en/our-stories/media/fonterra_continues_to_build_uht_capacity.html.

Investment

Investment period	Industry contribution	MPI contribution	Total Investment
During This Quarter	\$1.5	\$1.4	\$2.9
Programme To Date	\$75.8	\$76.4	\$152.2