

Whai Hua PGP Programme – New Dairy Products and Value Chains

Summary Report for Q3 2013-14

This programme seeks to develop immune- enhancing dairy products and is nearing the end of its first year. Considerable progress has been made:

- Results indicate that the target compounds in bovine milk act in a similar way to their counterparts in human milk, binding with a wide range of bacteria.
- The natural production profiles of the target compounds have been shown to be repeatable between years.
- Alternative adjuvants used in immunisation trials have proved to be acceptable from an animal ethics and welfare perspective.
- Optimal processing specifications that retain functional activity have been determined, but they now need to be translated to commercial scale conditions.

Work for 2014-15 is currently being planned with an emphasis on scale up.