



## Effect of ProDairy on Milk Production

Waikato, 2011

### Introduction

Donaghys ProDairy is a scientifically formulated probiotic extract designed to enhance digestion, feed conversion and increase milksolid production. It aids the establishment and performance of healthy rumen microbes which are required for efficient digestion and overall performance of dairy cattle.

### Materials and Methods

A trial was conducted on a Waikato dairy farm over a 70 day period between February and May 2011. 144 cows were split into two evenly matched herds of 72 cows and each cow was drenched daily with a 10 ml dose of ProDairy. Two herd tests occurred during the trial in late April and May. An analysis of covariance (ANCOVA) with starting weight as covariate was performed in R statistical analysis package to test for the difference in means.

### Results

Daily milk solid production of both herds is shown in Table 1. ProDairy treated cows exhibited a smaller decrease in milk solid production compared to untreated controls over the course of the trial.

|                 | Change in MS Production (g MS/day) | Difference |
|-----------------|------------------------------------|------------|
| <b>ProDairy</b> | -225                               | 22         |
| <b>Control</b>  | -247                               |            |
|                 |                                    |            |
|                 | 95 % Confidence Interval           | ± 35       |