

FMfI2023 Program

Name

Stephen Taylor

Affiliation

University of Auckland

Title

Dairy Farm Modelling

Abstract

Milk production is a major global industry and it is New Zealand's largest export earner.

We use mathematical modelling to analyze common issues faced by dairy farmers in NZ and abroad, including how long cows should be grazing in a particular field before being rotated to another, and the effects of urination and defecation on soil and waterways.