



## Introduction

The organic dashboard's main purpose is the sustainability assessment and monitoring of organic production systems. It will provide farmers with added value tools for their day to day farm management, and with pathways to lower impact farming while maintaining or even increasing profitability. The dashboard will also improve information flows to farmers, regulators and the market and will provide a user friendly and innovative way to demonstrate the actual sustainability outcomes of organic agriculture.

# **Organic dairy sector in New Zealand**

Organic milk production = 0.3% of Fonterra's milk volume • 73 organic dairy suppliers (40 % drop in the last 5 years) **Organic dairy exports** The second largest export category of NZ Organic products : 17% The value category of exports has grown 33% since 2009 Markets? South-East Asia, China and the US **Product?** Milk powders Milk powder at market Organic up to 2.5 times the price of non-organic

## **Organic milk: Clean, green and profitable?** ARGOS **Comparison of organic and conventional dairy farming systems**

- Production : Quality & Quantity
- Financial performance
- Soil properties : physical & biological condition

## Key facts

	Conventional	Organic	
Production kgMS/ha/yr kgMS/cow/yr	Higher production 999 359	Lower production 594 323	$\rightarrow$ Per cow basis, the
Animal health cost \$/yr	26,000	2500	
Profitability	Similar		

## Method

1. Contextualization	<ol> <li>Understand the environmental Impacts of dairy farming</li> </ol>	3. Identification of the main issues in New Zeal
Spatial scale : Farm		The impact of nutrients on water quality
End users: Organic farmers	<ul> <li>Eutrophication potential</li> <li>Acidification potential</li> </ul>	Caps on the amount of both nitrogen and that can be leached are implemented : oppo
To begin the project: focus on	<ul> <li>Global Warming potential</li> </ul>	organic production systems to provide pathwa
the environmental dimension	<ul> <li>Use of energy and land</li> </ul>	impact farming while maintaining profitability

# **Implementation of the Organic dairy Dashboard**





**SAI**: Sustainable Agriculture Initiative and the Dairy Sustainability Framework

## Get information out

- ✓ BioGro's e-news in August
- ✓ OANZ's e-news
- ✓ Asking OrganicNZ magazine

## **Quality of natural resources**

- Emission of greenhouse gases and acidifying substances Biological, physical and chemical soil quality

Land management

CRITERIA	Nutrients	Land management
Measures	Nitrogen Surplus	% of bare ground/UAA
	kg N/Ha of UAA	% of monoculture
Value		
0		0
1	80 to 100	1
2	60 to 80	2
3	40 to 60	3
4	20 to 40	4
5	< 20	5