Proposed Waikato Regional Plan Change 1 – Waikato and Waipa River Catchments.

Submission form on publicly notified – Proposed Waikato Regional Plan Change 1 – Waikato and Waipa River Catchments.

SubForm	PC12016	COVER SHEET	
FOR OFFICE USE ONLY			
		Submission Number	
Entered		Initials	
File Ref		Sheet 1 of	

FORM 5 Clause 6 of First Schedule, Resource Management Act 1991

SUBMISSIONS CAN BE	
Mailed to	Chief Executive, 401 Grey Street, Private Bag 3038, Waikato Mail Centre, Hamilton 3240
Delivered to	Waikato Regional Council, 401 Grey Street, Hamilton East, Hamilton
Faxed to	(07) 859 0998 ***Please Note:*** *if you fax your submission, please post or deliver a copy also*
Emailed to	healthyrivers@waikatoregion.govt.nz ***Please Note:*** *Submissions received my email must contain full contact details. We also request you send us a signed original by post or courier.*
Online at	www.waikatoregion.govt.nz/healthyrivers
We need to receive your submission by 5pm, 8 March 2017.	

YOUR NAME AND CONTACT DETAILS		
Full name David N STRAWBRIDGE		
Full address 41A Greenhill Dr Te Awamutu		
Email drstraw2@xtra.co.nz	Phone 07870 6623	~~Fax~~ Same.

ADDRESS FOR SERVICE OF SUBMITTER		
Full name David STRAWBRIDGE.		
Address for service of person making submission As Above		
Email	Phone	Fax

PLEASE INDICATE WHETHER YOU WISH TO BE HEARD IN SUPPORT OF YOUR SUBMISSION
☑ I wish to speak at the hearing in support of my submissions.
☐ I do not wish to speak at the hearing in support of my submissions.

I could not gain an advantage in trade competition through this submission.

SIGNATURE OF SUBMITTER *(or person authorised to sign on behalf of submitter)* *ignature is not required if you make your submission by electronic means.*	
Signature DM Strawbridge	Date 3/3/2017
Personal information is used for the administration of the submission process and will be made public. All information collected will be held by Waikato Regional Council, with submitters having the right to access and correct personal information.	

Proposed Waikato Regional Plan Submission

I own a 70ha Dairy Farm in the Waipa Catchment Block,

We milk between 220-250 cows (see Attached A4 Document of cows, production per year from 1985-2016)

The Nitrogen Reference Point for 2015/16 was 55 kg/ha/yr.

See attached full Report from New Zealand Farm Source.

My Plan for the future is not to reduce Further my Nitrogen & Phosphate Application as see Attached a Sample of Fertiliser spread on Paddock 17 since 1985, you will see that I have reduced over the last 30 years my Annual Rate of Fertiliser from 900 + kg/ha to 500 kg/ha.

If we were to adopt all you recommendation of change, we will have to decrease stocking rate 20/25%, Fert. By another 40% and by moving Fences away from Drains we would lose another 4 ha`s of land.

Ladies & Gentlemen, there is no more land, Council are in a rush to turn some of our Best into Houses & Road ETC.

You are asking us as a business to carry on with less of everything, I give you an example!!

You ask Mercury Power Co. to mothball 1 of their 5 Turbines in each of the two Maraetai Dams, but still produce the same output of Electricity, it is not Viable Financially.

David Strawbridge

Ballance agri-nutrients

Fertiliser Recommendation

Prepared for (customer): David N Strawbridge (Borrowdale) (Cust No: 3036195)
Property: Borrowdale Trust (Prop No: 4008733)
Recommendation: Spring 2016 Aut 2017 **Representative:** Martyn Ebbett
Date: 03/10/2016 **Phone:** 027 293-1157

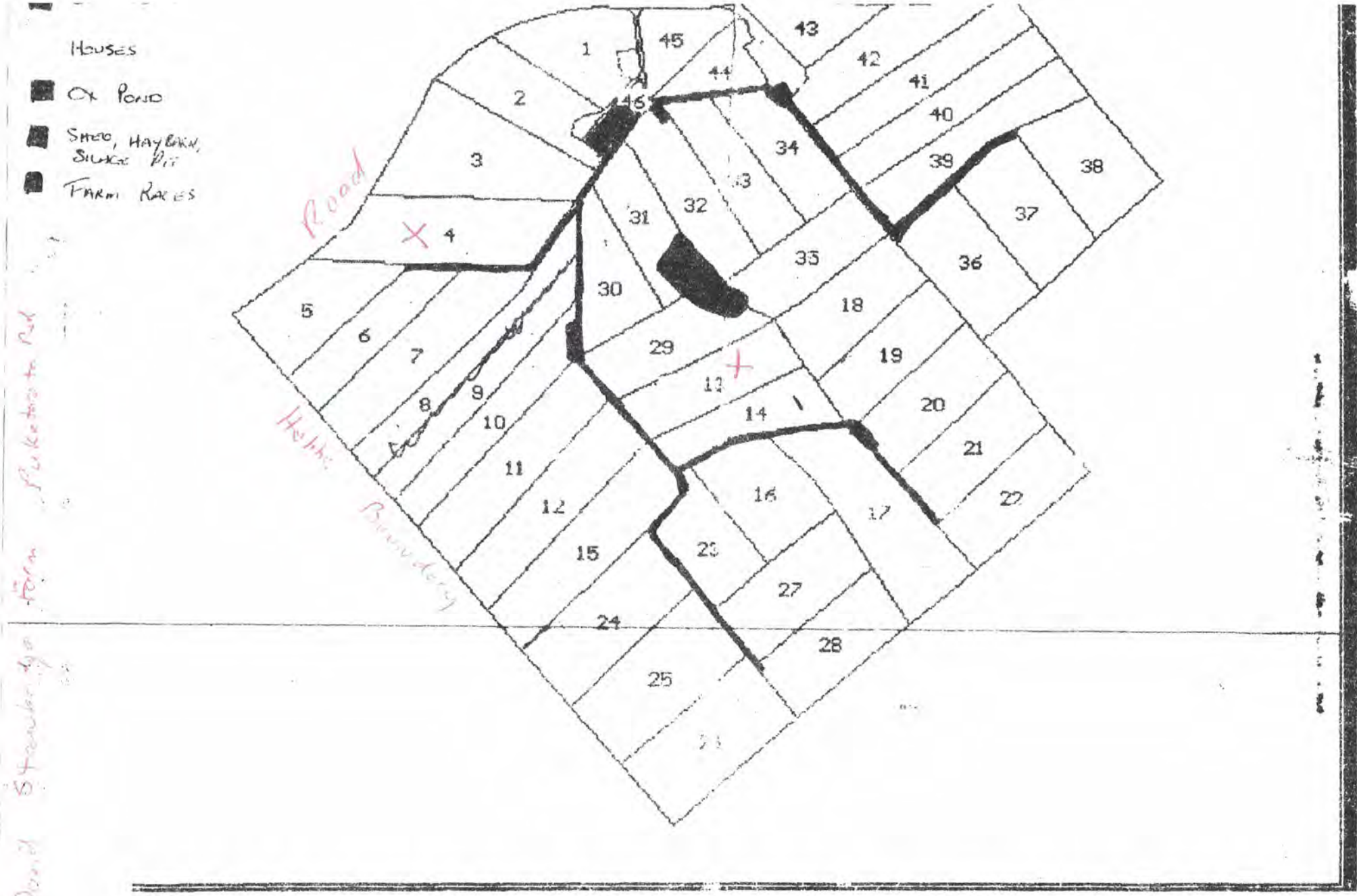
Having considered all available data relevant to your property Ballance Agri-Nutrients recommends the following fertiliser to be applied.

Block: Puketarata Milking **Area (Ha): 68** **Usage: Dairy**

Application	Kg/Ha	Product	N	P	K	S	Mg	Ca	Na	% of Mix	Kg/T	$/Tonne (Prod)	Total $ (Prod)	Crt/Sprd ($/T)	$/Ha	Total $
			(Kg nutrient / ha)													
Spring 2016 with N		**Merchant:** RD1 Otorohanga								**Delivery Date:**		10/10/2016				
		Store: Otorohanga Service Centre								**Carrier:**		Ledara Spreading Ltd				
Fert Rec ID: LL07903078		**Sales order:** In progress								**Spreader:**		Ledara Spreading Ltd				
	250.000	Pasturezeal G2 Impact								83						
	50.000	Muriate Of Potash								17						
	0.300	Cobalt Granular 10%									1.00					
Tot App Rate/Ha:	**300.300**	**Total tonnes: 20.420**	30	16	25	18	5	40	0	**100**		**$443.12**	**$9,048.73**	**$0.00**	**$133.07**	**$9,048.73**
Spring 2016 No N		**Merchant:** RD1 Otorohanga								**Delivery Date:**		10/10/2016				
		Store: Otorohanga Service Centre								**Carrier:**		Ledara Spreading Ltd				
										Spreader:		Ledara Spreading Ltd				
	250.000	Superten 10K								100						
	0.300	Cobalt Granular 10%									1.20					
Tot App Rate/Ha:	**250.300**	**Total tonnes: 17.020**	0	18	25	21	0	44	0	**100**		**$424.76**	**$7,229.65**	**$0.00**	**$106.32**	**$7,229.65**
Autumn 2017		**Merchant:** RD1 Otorohanga								**Delivery Date:**		1/04/2017				
		Store: Otorohanga Service Centre								**Carrier:**		Ledara Spreading Ltd				
										Spreader:		Ledara Spreading Ltd				
	250.000	Superten 10K								100						
	1.000	Selenium									3.98					
Tot App Rate/Ha:	**251.000**	**Total tonnes: 17.068**	0	18	25	21	0	44	0	**100**		**$429.63**	**$7,332.98**	**$0.00**	**$107.84**	**$7,332.98**
		Block Analysis:	**30**	**52**	**75**	**60**	**5**	**128**	**0**	**54.509 tonnes**			**$23,611.36**			**$23,611.36**
		Maintenance:	**0**	**40**	**70**	**30**	**20**	**0**	**0**							

Now NC 27

201 Bottom Centre Pad
12-85 3 cut of 15/. Pot Sup N. P. K S. Ca Mg.
3-86 2 cut of Mag/Lag 0-10-0-8-24-3.
12-86 2 cut of 15/. Pot sup
3-87 3 cut / 30/. pot sup.
2-87 4 cut of Dairy Pasture mix
0-88 5 cut of Dairy Pasture mix.
-89 5 cut of 15/. Pot supr
290 5 cut of Special Mix.
2-90 3 cut of 30/. Pot Supr
5-91 3 cut of 15/. 20% supr
-91 3 cut 2 to 1 mix 30/. potasic supr D.A.P.
-92 4 cut 2½ to 1 mix 15/. " " + DAP
1-92 3 cut of 30/ pot sup. + DAP (4 to 1) mix
-93 oversowed 23 Kg/La Yat + Syn, Verdelle, Kopu Colonso + Matua
93 4 cut of Serp Super + D.A.P (2.4 to 1) mix.
10-93 3 cut of special mix pod 15.
3-96 4 cut of 15/ Pot sup + DAP (4 to 1) mix
9-96 3 cut of pasture 4.
3-95 4 cut of 15/ serp super + DAP (4 to 1)
0-95 4 cut of 30/. pot Super + Selenium
2-96 4 cut of 15/. pot super. + DAP (4 to 1)
1-96 4 cut of 30/. pot super.
-97 1 cut of (DAP & Pasture 6)
4-97 4 cut of 15/. Serp super + DAP (3 to 1)
11-97 500 Kg/La of 30/. Pot Supr
5-98 500 Kg/La of 15/. serp super + DAP (3 to 1)
0-99 500 Kg/La of 30/. pot Super + .75Kg/La Cobalt.
4-00 430 Kg/La of Pasture zeal 777 & 1.5 Kg/T selenium
1-00 575 Kg/La of 30/ Pot Super + 15/. Salt + 1½ Kg/T Cobalt
-01 1250 Kg/La of LIME
-01 400 Kg/La of 15/. Super Ten
1-01 400 Kg/La of Pasture mag & K.
4-02 300 Kg/La of Super extra
-05 375 Kg/La of 15/ serp Super + Selenium
/05 15 Kg/La of grass undersown 30/ P. 48/. Rocket 8/. wh clover 15/. Italian


Houses
Ox Pond
Shed, Hay Barn, Silage Pit
Farm Races
Road
Hedge Boundary
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	70.4629ha	Annual	Production		
	D.N. Strawbridge				
1985-86		240 cows	73515kg/ms		
1986-87		235 cows	69154kg/ms		
1987-88		243 cows	69620kg/ms		
1988-89		233 cows	64366kg/ms	David	
1989-90		197 cows	52424kg/ms	David	
1990-91		215 cows	69154kg/ms	David & Russell	
1991-92		214 cows	69154kg/ms	David &Russell	
	DN.& R.Strawbridge				
1992-93		220 cows	61147kg/ms	David, Ruby & Dean	
1993-94		216 cows	64825kg/ms	David, Ruby & Dean	
1994-95		214 cows	65001kg/ms	David, Ruby & Dean	
	Borrowdale	**Trust**			
1995-96		225 cows	68302kg/ms	F & S Kaverman	
1996-97		225 cows	75350kg/ms	Jason Strawbridge	
1997-98		259 cows	86341kg/ms	Jason Strawbridge	
1998-99		250 cows	74623kg/ms	Jason Strawbridge	
1999-00		230 cows	68248kg/ms	Jason & Angelia Duncan	
2000-01		235 cows	77512kg/ms	Jason & Angelia Duncan	
2001-02		244 cows	85395kg/ms	Owen & Shelly Bainbridge	$5.53
2002-03		255 cows	92855kg/ms	Greg & Sonia Furness	
2003-04		259 cows	94088kg/ms	Greg & Sonia Furness	
2004-05		248 cows	86310kg/ms	Tom & Sandra Bolder	$4.58
2005-06		248 cows	89070kg/ms	Ross & Carla Shaw	$4.07
2006-07		234 cows	91445	Andrew & Belinda Prout	$4.46
2007-08		232 cows	72356	Andrew & Belinda Prout	$7.60
2008-09		230 cows	90633	Andrew & Belinda Prout	$5.20
2009-10		230 cows	85726	Andrew & Belinda Prout	$6.37
2010-11		230 cows	95413	Andrew & Belinda Prout	$7.99
2011-12		236 cows	102540	Andrew & Belinda Prout	$6.37
2012-13		244 cows	92384	Andrew & Belinda Prout	$6.05
2013-14		235 cows	93392	Andrew & Belinda Prout	$8.29
2014-15		250 cows	117906	Tim & Lucy Dorn	$4 .40
2015-16		260 cows	111112	Tim & Lucy Dorn	$3.90
2016-2017		232 cows	97469	John & Mel Kersten	$6.10

NITROGEN REPORT
2015/16 SEASON

SUPPLIER NUMBER: 74363

NEW ZEALAND FARM SOURCE
Fonterra
Dairy for life

This Nitrogen Management Report provides you with your farm's Nitrogen Conversion Efficiency and Nitrogen Leaching Risk. This will help you to identify opportunities for further nitrogen use efficiency on your farm. It also gives you a better understanding of the potential business risks to your farm, particularly in regions where nitrogen limit setting is underway by regional councils.

Key information used to model your farm's nitrogen use:	
Total effective dairy farm area	68ha
Total cows calved	255
Total milk solids produced	111,112 KgMS
Average kilograms of nitrogen applied per hectare (across whole farm)	111 KG/HA/YR
Supplementary feed brought onto farm (dry weight)	334.2t

Note: The information presented in this report is only a summary of a more detailed OVERSEER® file. We recommend you seek further advice before making any changes to your farm system(s). If there are inaccuracies in the data presented above, please contact your Sustainable Dairy Advisor.

YOUR NUMBERS **AT A GLANCE**

55 KG/HA/YR

Nitrogen Leaching Risk

This indicates the risk of the loss of nitrogen from the farming system into either the groundwater system or into waterways.

A small number indicates a lower risk of nitrogen loss.

35 %

Nitrogen Conversion Efficiency

This is the percentage of nitrogen that is brought into the farming system (fertiliser, supplementary feed and clover fixation) that is converted to products (milk and meat).

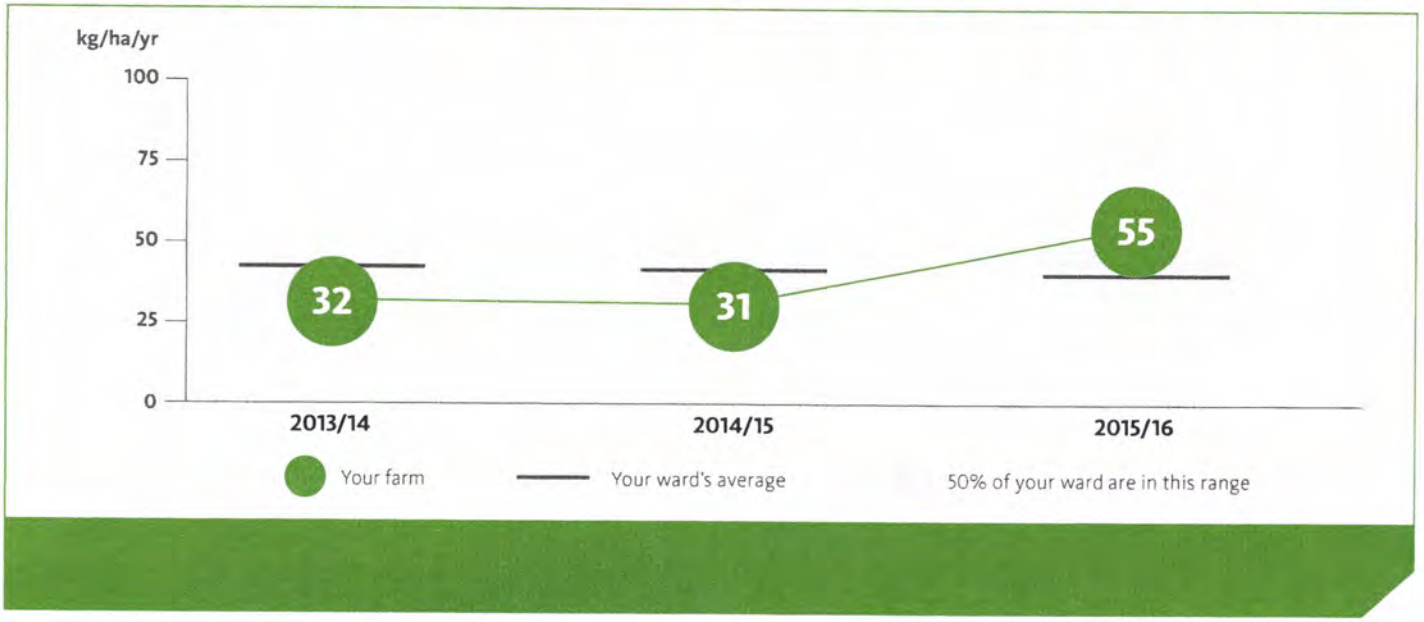
The higher the percentage, the more efficient the farm is at using its nitrogen resources.

Indicative range: 10% to 45%.

WHY **IS THIS IMPORTANT?**

- Know your numbers
- Understand how nitrogen limits may affect the way you farm
- Identify opportunities for efficiency/profitability gains
- Satisfy regulatory reporting requirements
- Allows us to advocate for our farmers
- Secure and support our brand reputation

YOUR FARM'S **NITROGEN LEACHING OVER TIME**



IMPORTANT OVERSEER® INFORMATION

The OVERSEER® model is regularly updated to ensure it incorporates the best and most recent science. These improvements mean that the same farm information put into a newer version may result in (generally small) differences in modelled output numbers – such as Nitrogen Leaching Risk.

The numbers in the graph above have been generated using OVERSEER® version 6.2.2. This means that these numbers may differ from the numbers reported to you in previous years. It is because each year's numbers have all been updated to the most recent version of OVERSEER® that they can be reliably compared to enable you to understand how your on-farm practices are impacting on the Nitrogen Leaching Risk year-on-year.

OVERSEER® **NUTRIENT BUDGETS**

OVERSEER® is the preferred farm systems modelling tool used by fertiliser companies, farm consultants, regional councils and the dairy industry to demonstrate improved nutrient management practice on New Zealand dairy farms. It is well suited to providing an assessment of relative change (year-on-year and farm-to-farm). Your data has been processed through OVERSEER® by our experienced Ballance, QCONZ and Fonterra team in accordance with the OVERSEER® Best Practice Data Input Standard and the entire process has been externally audited.

The information in this report is based on the Nitrogen Recording Pages you sent to Fonterra in mid-2016. If this form was incomplete, our processing teams may have made some assumptions while processing the data through OVERSEER® 6.2.2.

YOUR FARM'S **NITROGEN MODEL**

All numbers on the diagram below refer to kilograms of nitrogen per hectare per year **(KG/HA/YR)**, often called units of N.

Climate

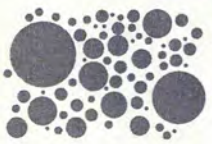
Climate information including rainfall data as supplied by NIWA.

RAIN & CLOVER **N** FIXATION
114

NITROGEN FERTILISER
111

IMPORTED SUPPLEMENTS
105

Soil processes



Information on your farm's soil types has been collected using the best available soils information.

These are the decisions you make every day on your farm.

For example, whether to winter cows off, how to deal with effluent, your stocking rate and on-farm infrastructure etc.

Farm Management Decisions

INTO THE ATMOSPHERE
106

AS MILK & MEAT
114

EXPORTED (OR STORED) SUPPLEMENTS
0

Nitrogen Surplus

NITROGEN SURPLUS
215

This is the difference between the total units of nitrogen brought onto the farm and the total units of nitrogen that leave the farm as products.

A high amount of surplus nitrogen can indicate an inefficient conversion of available nitrogen into milk protein.

Nitrogen Leaching Risk

N LEACHING RISK
55