



Evaluation of the On Farm Benefits of AgriSea.

Mark and Judy Shaw, Anchor Jerseys, share their experience with AgriSea since 2004...

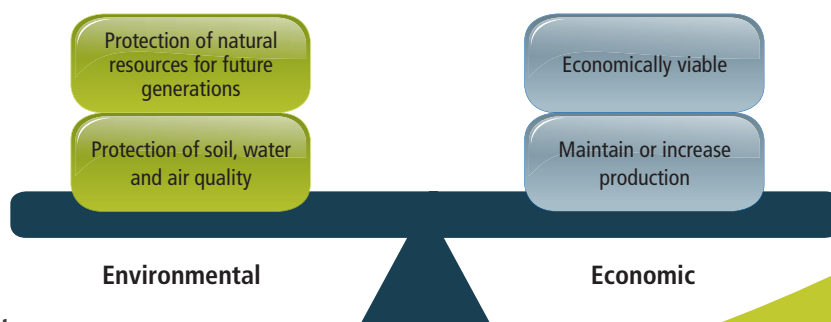
Real farm data from a high producing Waikato Dairy Farm...

Real information for Kiwi farmers...

Farmers are under increasing pressure to maintain or increase productivity while facing legislative pressure to develop sustainable dairying practices.

For AgriSea, sustainability means a balance between environmental and economic factors.

We call this – **Strategic Sustainability**.



The following farm data demonstrates how AgriSea is a profit practice supporting an intensive, high producing Dairy Farm.

Mark & Judy Shaw,

Anchor Jerseys, Ohaupo

2002 NZMP Farmer of the Year
Award (Dairy Farm Management)

2005 JETA Award (World Jersey
Cattle Bureau, Canada)



Milking area: 110ha

Average Stocking rate: 5 cows per ha

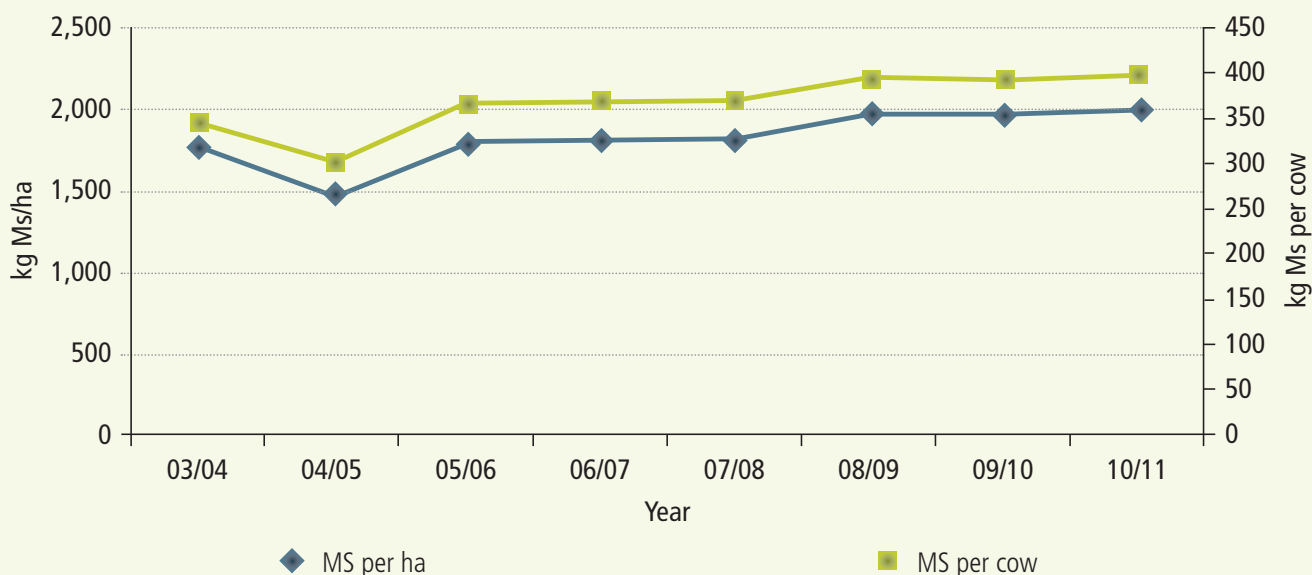
Management System: Split herds for year round milking |
Split calving | 30ha run off block | 10ha Maize | 6ha Turnips

Production System Five: 60-70% grass | 30-40% feed purchased
year round (to extend both ends of lactation, winter milking & dry cows)

Shaw Farm Management & AgriSea:

- The Shaws started using AgriSea Soil and Pasture Nutrition in the 2004/2005 year. With one application per annum, on farm health gains were highly visible
- In 2008/2009 they started using Soil & Pasture Nutrition three times per year. On farm health gains became even more pronounced
- In 2005 they commenced AgriSea Animal Health Tonic at 5mls per cow per day. Significant gains were made in their overall livestock health
- In 2008 due to gains made and success in using Animal Health Tonic as a drench, they increased their use to 10mls per cow per day. Even further gains were made which resulted in enormous cost savings in animal health expenditure.

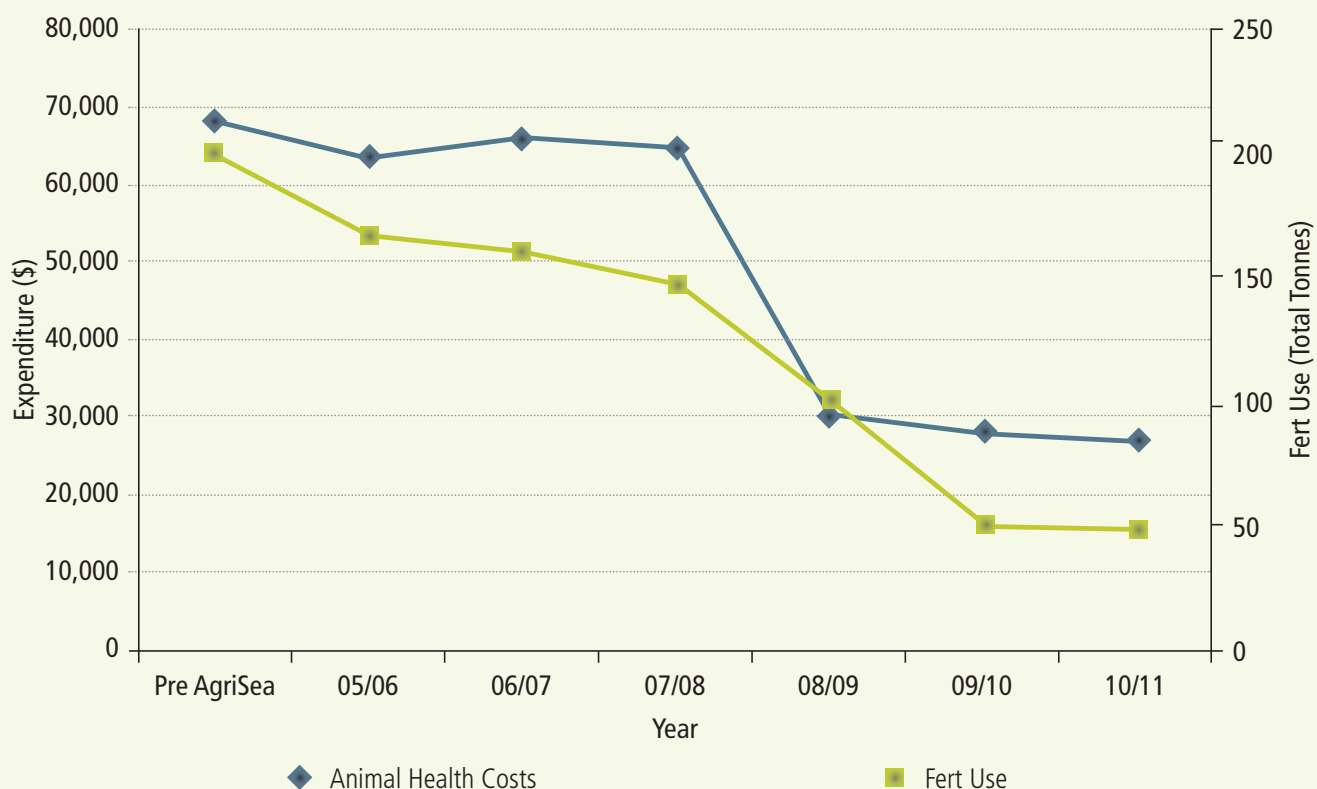
Milk Solid Production



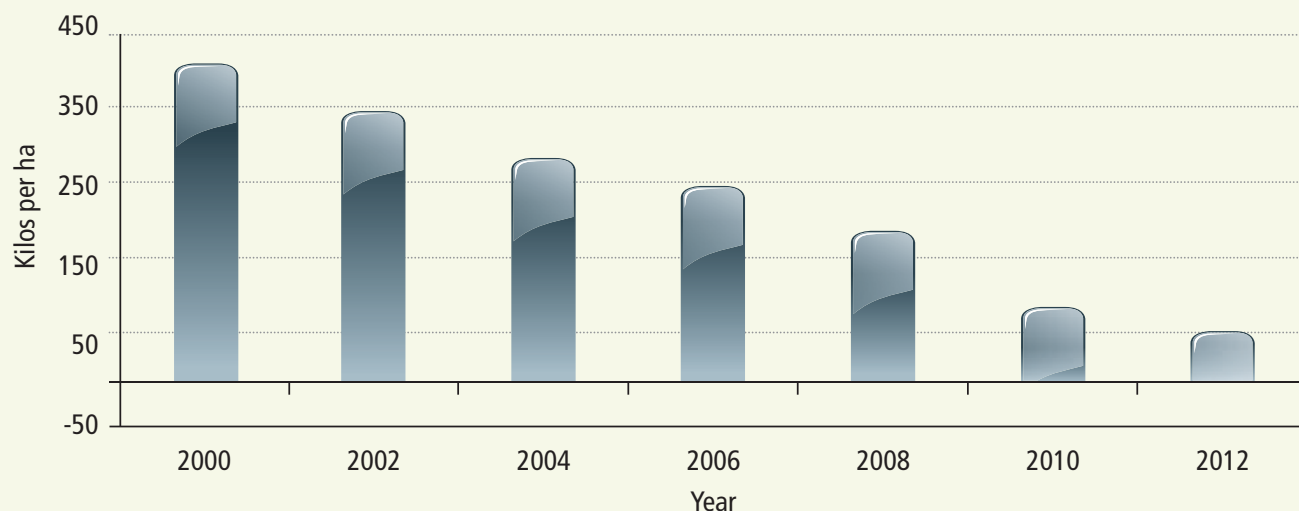
Note:

- This is three times the national average

Animal Health Expenditure & Fert Use



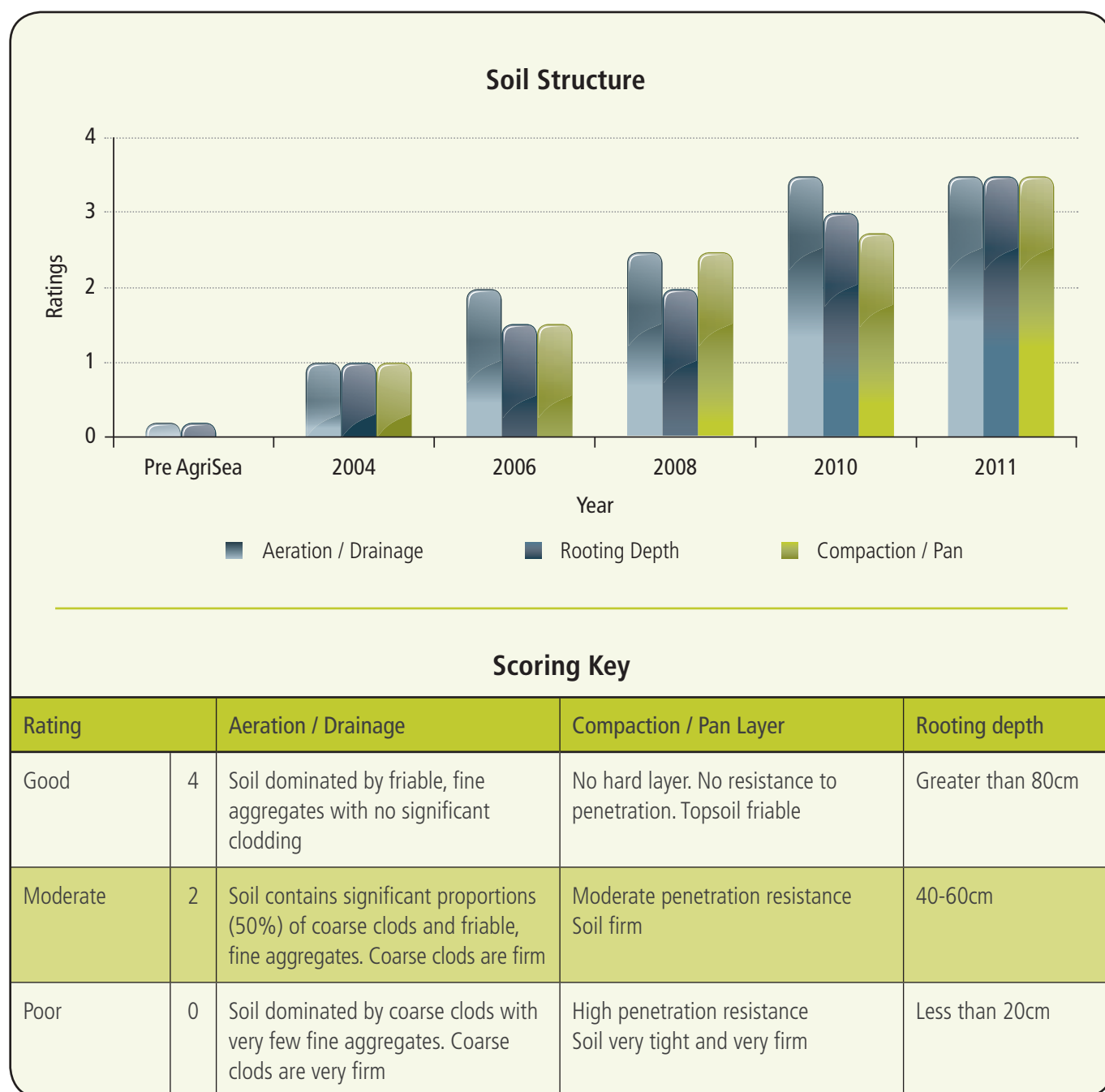
Nitrogen Fertiliser Use



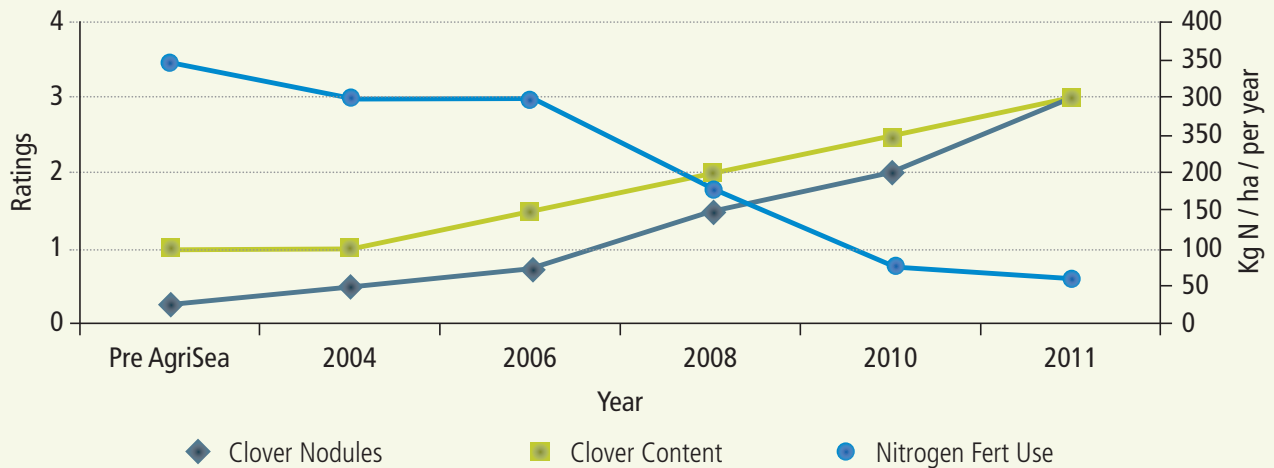
Notes:

- Significant financial gains were realised from cost savings in the areas of animal health and fertiliser – increasing farm profitability. Further, significant gains were seen in Soil, Pasture & Animal health and the environmental footprint of the farm was greatly reduced.
- On one of New Zealand's most intensive farming systems, production and productivity was not merely maintained but steadily increased over time.
- Anchor Jerseys plan for the 2011/2012 year is to reduce their nitrogen fertiliser use to 60 kilos (or less) per hectare as per Environment Waikato 3.9.4.11 'Permitted Activity Rule – Fertiliser Use'. This will be easy...

Benefits of AgriSea Soil Nutrition



Biological Nitrogen Fixing Ability



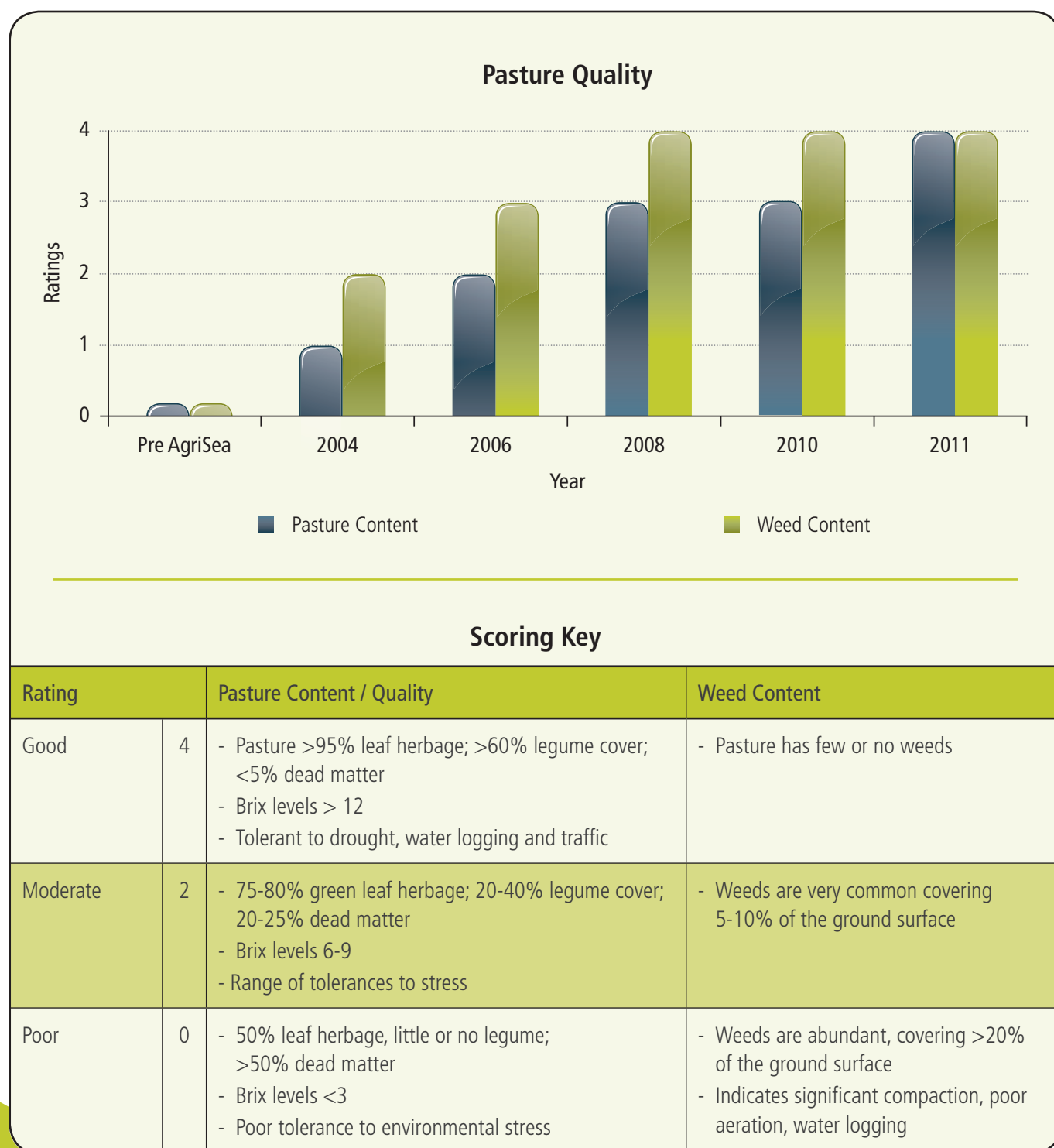
Scoring Key

Rating		Clover Nodules	Clover Content
Good	4	Clover roots have lots of strings & clusters of nodules (>2mm) to a depth of 15 to 20cm. Many are large (>2mm)	Average of 40% (Ranging from 30-70%)
Moderate	2	Clover roots moderate number of nodules (1 per 2cm) to a depth of 7.5 to 15cm. Largest nodules medium size (1-2mm)	10-15%
Poor	0	Clover roots have few or no nodules and only occur in upper 7.5cm of soil. Nodules small	0-5%

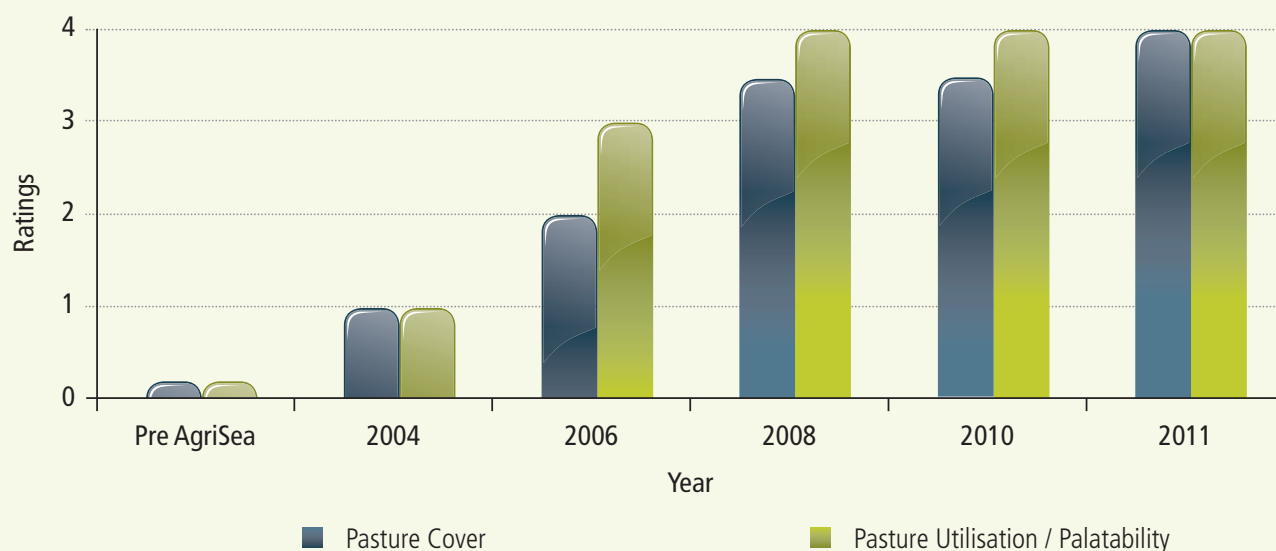
Notes:

- From 2004-2008, AgriSea Soil & Pasture Nutrition was applied *once* per annum. Improvements were noted in Soil, Pasture and Animal health but, more rapid and significant improvements were noted from 2008, when AgriSea Soil & Pasture Nutrition was applied *three* times per annum.
- In 2011/2012, Anchor Jerseys will apply AgriSea Soil & Pasture Nutrition *four* times per annum. They expect to build on the positive results seen to date and will reduce their nitrogen fertiliser use to under 60 Kg/ha – meeting permitted activity and environmental targets.

Benefits of AgriSea Pasture Nutrition



Pasture Cover & Pasture Utilisation



Scoring Key

Rating		Pasture Cover	Pasture Utilisation / Palatability
Good	4	<ul style="list-style-type: none"> - Pasture covers all or most of the surface area - Surface cover is >80% 	<ul style="list-style-type: none"> - Good pasture utilisation with high palatability - Only a little of pasture being trampled into the mud
Moderate	2	<ul style="list-style-type: none"> - Pasture shows significant areas of bare ground and sporadic growth - Surface cover is >40% but <60% 	<ul style="list-style-type: none"> - Moderate utilisation due to moderate palatability - A significant proportion being covered by or trampled into the mud
Poor	0	<ul style="list-style-type: none"> - Large areas of bare ground (<20% cover) due to treading damage and reduction in density and vigour of pasture 	<ul style="list-style-type: none"> - Poor pasture utilisation due to poor palatability - Large proportion being covered by or trampled into the mud

Note:

// Took me a long time to get my head around the difference between nitrogen and AgriSea...With my really nitrogen boosted grass, visually I had more and it looked good from a distance but my herd would either mow it off in 5 minutes or eat some of it and bellow around like they were hungry. They didn't like the taste of it – it was full of water and acidic.

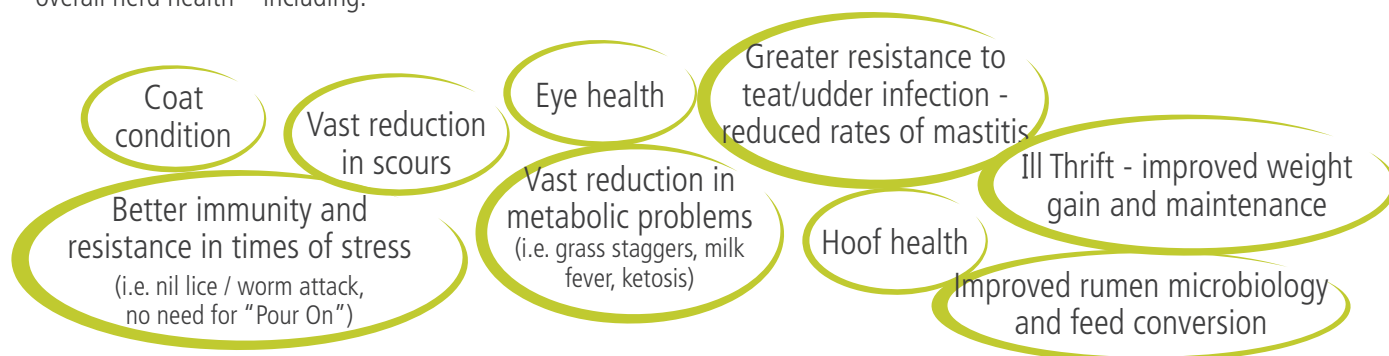
With AgriSea pasture the cows mow the whole paddock down and sit down happy. They like what they're eating. Because they're cleaning the paddocks, I haven't got the rotting on the bottom of my pasture – less places for eczema to live in. I haven't had an eczema cow for a long, long time.

I now know that I don't need grass up to my knees, just to the top of my Red Bands...the cows are getting more out of what looks like less grass – there's more in every mouthful. //

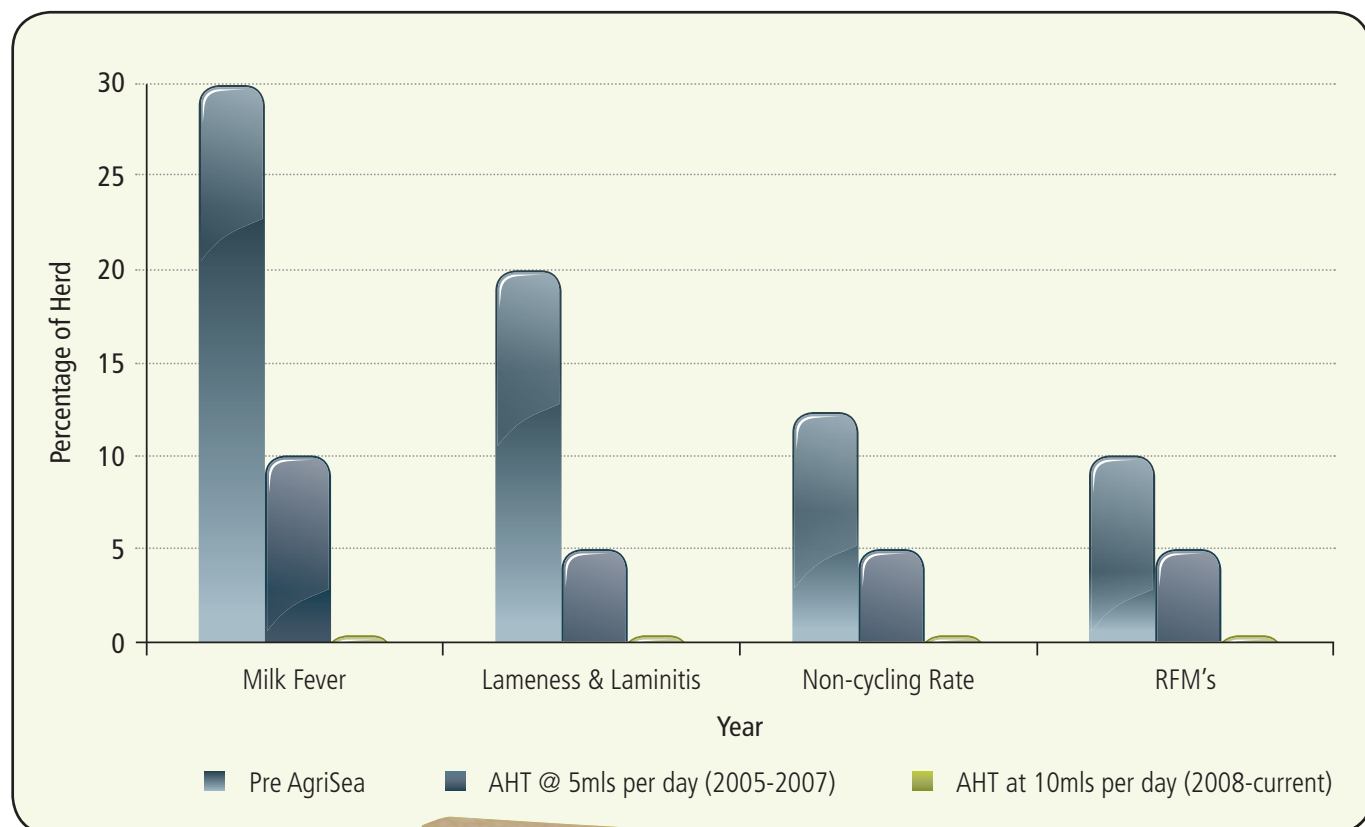
Mark Shaw
Anchor Jerseys

Benefits of AgriSea Animal Health Tonic

In 2005, the Shaws commenced Animal Health Tonic at 5mls per cow per day. Significant improvements were noted in the overall herd health – including:



In 2008, the Shaws began using Animal Health Tonic at 10mls per cow per day. From here, they noticed even more significant gains. Charted below are the marked reductions and near elimination of several common problems seen on farms today.



Note:

// I've stopped all the artificial minerals I'd buy cause AgriSea has vastly improved the overall health of my herd... I don't need them. I've stopped the blood testing several years back cause I could see the cows were healthy, there was no need – that's a massive cost saving and benefit in itself.. //

Mark Shaw
Anchor Jerseys