



AgriSea
NEW ZEALAND

FARM NUTRITION SOLUTIONS



Welcome to

AgriSea NZ is a multi award winning, sustainable New Zealand company. We are now a second generation family owned and operated company. We have a highly skilled team dedicated to manufacturing the highest quality nutritional products for Soil, Pasture and Animal health.

AgriSea brews liquid seaweed concentrates from the NZ native seaweed species *Ecklonia radiata*. Collected from the shores of New Zealand's pristine coastlines, *Ecklonia radiata* is one of the most complex materials in the world, containing almost every element known to man.

AgriSea's long, cold brewing process eliminates the use of heat, chemicals, freezing or dehydration that might denature or destroy the complex nutrient balance of our seaweed. Although labour intensive, our unique process protects the vast range of natural growth stimulants, vitamins and micro-nutrients that enhance soil, pasture and animal health.

The AgriSea team refuses to compromise product quality to cut production costs or increase profit.



Our family philosophy is simple:

"To provide highly effective products with bucket loads of integrity".

We stand behind our products...
you can ring to speak to us on

0800 SEAWEED



Why AgriSea?

There are significant economic and environmental challenges facing the Sheep and Beef industry today. AgriSea provides highly effective, financially and environmentally sustainable farming solutions. While all our products are certified organic, 98% of our farmers are non organic.



AgriSea maximises all farm management systems (conventional, biological or organic) resulting in significantly increased farm health, production and profitability. This is achieved via better:



AgriSea Soil Nutrition

Since the 1950's, farming practices have focused on the soil chemistry – high input, synthetic compounds to push production and yields. While the initial results were good, we are now increasingly aware of the long term effects of these practices – on the quality of our farms, our farm outputs, our land and waterways.

Healthy soil is the basis for agriculture and the necessary foundation for healthy plants and healthy animals.

AgriSea Soil Nutrition is a soil conditioner which will feed your soil biology and improve your soil structure and soil fertility. Soil biology (or soil life) creates soil structure and produces soil nutrients.

An active and diverse soil biology ensures an ongoing feed source for your pasture and animals. AgriSea Soil Nutrition also allows for the numerous minerals and nutrients already in your soil to be refurbished and 'unlocked' – ensuring the ongoing benefit of the previous solid / nitrogen investments made on your farm.



/// My soil structure is now very good... We were impressed with our last dig. Our clover content in our pasture has hugely improved too... ///

Gerard & Leanne Johnson
Kurow



*Healthy soil - Healthy pasture
- Healthy animals*



/// AgriSea improves the brix levels and the soil biology. It produces high quality feed and rejuvenates clover growth... it's a very easy product to work with. Most of our paddocks are sprayed using a rose spray on a 600 litre tank on the back of our tractor. AgriSea are also prepared to work with you to advise you how to get the best out of their products ///

John & Joyce Stowall
Scotsburn Farm

The Benefits of AgriSea Soil Nutrition include:

- Huge increase in your soil biology and 'voluntary army' (microbes and earthworms)
- Increased root length and mass (up to 175% thicker)
- Increased soil quality and fertility
- Improved soil structure (aeration, drainage, can withstand traffic)
- Deeper humus layer (nutrient storehouse of your soil)
- Locked minerals and nutrients in the soil become bio-available
- Increased clover content – stable nitrogen source (reduced need for solids)
- Less pugging and pulling
- Increased germination rates for cropping and regrassing
- Increased crop yield and pasture quality
- Farm holds longer and recovers quicker in drought

Ease of Use

- Safe and non-toxic
- Spray or Spread – Boom, Rose, Jet, Chopper
- Compatible for use with other products
- Fine filtration ensures no clogged lines or spray nozzles

AgriSea Pasture Nutrition

Pasture **quantity** is important in terms of stocking rates and feed, but it is the pasture **quality** that significantly impacts on your overall animal health, production and profitability.

AgriSea Pasture Nutrition is an efficient method of delivering an instant nutrient lift directly to your pasture - significantly lifting the quality and fibre of your pasture, crops and stored feed. Pasture Nutrition is also a valuable tool for by-passing root absorption problems (such as nutrient leaching and poor soil structure) and a well known 'stress reliever' for pasture when strained by weather extremes or pest and disease pressure.

AgriSea Pasture Nutrition provides a natural balance of nutrients in a form your pasture and animals can readily absorb and convert – maximising your pasture quality, palatability and yield.



// I've had the opportunity to re-graze blocks that would normally be left spelled. . . .cattle have been following the ewes and our blocks are clean of tagg and have a strong green tinge to them. The brix levels in our pasture has hugely improved too. . . //

Gerard & Leanne Johnson
Kurow



// After our first application of AgriSea Soil and Pasture we've seen our pasture brix levels lift by, on average 1.5 units in 5 months, compared to the control. Visually, we've seen our worst paddock [AgriSea trial paddock] become obviously more palatable to our stock. Grazing our pasture has been very even, with seed head being eaten off as well //

Norman Grant
Waipapa Stream Trust



// AgriSea prevents disease on crops, making the plants stronger and protects them against frost. Even though we've had a very wet season, we've got no disease on our crops . . .the only products we've used this year on our crops and pasture is AgriSea seaweed //

John & Joyce Stowall
Scotsburn Farm

The Benefits of AgriSea Pasture Nutrition include:

- Greener, healthier pasture and crops due to increased chlorophyll levels
- Significant lift in the fibre, protein and overall nutritional value of your pasture
- Increased DM yields
- Increased brix (natural sugars) levels in pasture
- Increased natural nitrogen fixation
- Increased palatability in pasture and stored feed
- Pasture more vigorous and durable in times of stress
- Increased pasture resistance to disease and pests
- Healthy stock due to high nutritional value of grass
- Nutritional lift for herd in periods of low light - spray ahead of cows in winter
- No chemical additives; no residues; no withholding

Ease of Use

- Safe and non-toxic
- Spray or Spread – Boom, Rose, Jet, Chopper
- Compatible for use with other products
- Fine filtration ensures no clogged lines or spray nozzles

AgriSea Animal Nutrition

Most animal health problems are a direct result of nutritional deficiency including:
Sleepy Sickness – Pink Eye – Scabby Mouth – Worm Burden – White Muscle Disease –
Ketosis – Milk Fever – Grass Staggers – Lameness – Poor Cycling – Low conception rates
– Retained Foetal Membranes – Mastitis – Scours – Bloat & Ill Thrift.

AgriSea Animal Nutrition provides a vast range of natural nutrients, minerals, vitamins and trace elements that are immediately bio-available to your animals.



John Gray, Farm Manager
for Chris Barker, Mahoenui



AgriSea Animal Health Tonic bolsters the immune system and prevents a variety of health problems directly related to nutritional deficiency. It increases resistance and recovery during periods of stress.



// Spring last year was horrible [big snow of 2010] but we've got really good looking lambs this year //

Peter & Jenny Johnson, Taumaranui



// We've had a great response using Agrisea AHT in the milk we feed orphan lambs. This year I missed 24hrs with no Agrisea and we ended up with scouring lambs. //

Norman Grant, Waipapa Stream Trust



// We drench our calves and lambs three times a year and our yearling heifers are dosed again prior to mating. Our animal health and production has been very pleasing... //

Michael Oliver, Tawanui Estate, Cambridge



// We're rapt with the improvement in the health of the ewe flock - we're getting good, well developed lambs & I'm wrapt with their weaning weights this year. We've also got significantly improved wool weights and the wool's clean with no breaks. With our cattle we've noticed that they get a lift after drenching and improved weight gains before going to market - the Animal Health Tonic gets their rumen going and they use the pasture more effectively. //

Gerard & Leanne Johnson, Kurow



// Our stock are a lot healthier. We do not use any drench except Agrisea Seaweed Tonic and have found the sheep require less drenching and dagging. The sheep are also growing more wool which is a lot softer. //

John & Joyce Stowall, Scotsburn Farm

The Benefits of AgriSea Animal Nutrition include:

- Optimise and improve overall livestock health
- Improved reproductive performance
- Aids with metabolic problems
- Increased rumen microbiology
- Improved feed conversion
- Greater resilience during times of stress
i.e. calving, mating, weather extremes
- Improved worm burdens
- Improved weight gains
- Improved immune system
- Enormous cost savings with health supplements

Ease of Use

- No sweeteners needed – stock love it
- No mixing required
- Add to water troughs, feed, in-line dispensers
- Will not clog lines, drench guns or foul troughs
- Can be used in conjunction with other oral products
- No withholding period

AgriSea

How To Guide

Application Rates



Soil Nutrition
5 litres per hectare



Pasture Nutrition
5 litres per hectare



Animal Health
Trough treat at 0.5mls per stock unit per day (maintenance) or drench as recommended by your Agrisea Field Consultant.

Please Note:
These rates are intended as a guide only.
Application and administration rates will be dependent on your current farming system, your specific farm needs and goals.

Application Times

Optimum application times are early morning or late evening.

Earth temp — no lower than 6°C
Air temp — no lower than 10°C

Please Note:
Optimal application times are weather dependant.

Application Methods



Air Based Method:
Helicopter, Plane

Air Based Application:
1 part AgriSea to 2 parts water
(Optimum 1 to 3)



Ground Based Method:
Tractor, Boom, Rose, Jet, Quad, C-Dax

Ground Based Application:
1 part AgriSea to 30 parts water
(Optimum 1 to 50)

Quad: 60 litre tank
1 part AgriSea to 6 parts water

Please Note:
Dilution rates will vary according to application method and speed of the vehicle.
If unsure about application or dilution rates, ask your Area Field Consultant or phone 0800 BIOLOGY for technical assistance.

- ★ Fine filtration ensures no clogged lines, drench guns or spray nozzles
- ★ Compatible for use with other products



For your free, no obligation soil assessment, please contact your local AgriSea Field Agent or Customer Services on **0800 SEAWEED** who will arrange this for you.

Product Typical Analysis

Minerals and Trace Elements (mg/L - ppm)
Nitrogen 54.16
Calcium 74.84
Copper 0.073
Selenium 0.01
Phosphorus 32.28
Magnesium 157.6
Manganese 0.67
Zinc 0.86

Potassium 1650.91
Sodium 1187.63
Iodine 250.04
Boron 2.854

Sulphur 207.83
Iron 1.04
Molybdenum 0.01
Cobalt 0.07

Vitamins

Vitamin A, Vitamin C, Vitamin E, Folic Acid, Vitamins B1, B2, B3, B5, B12, Fucoxanthin, Choline

Amino Acids (μmol g dwt)

Aspartate 5.171
Asparagine 1.141
Serine 0.621
Histidine 0.548
Proline 0.683
Arginine 0.583

Glutamate 0.747
Glutamine 0.733

Phenylalanine 0.717
Alanine 3.974

Cytokinins & Auxins

Trans-zeatin riboside, Trans zeatin, Indole Acetic Acid, Isopentenyladenosine, Isopentenyladenine

Phlorotannins 8-10% g dwt

Mannitol 3500 μmol g dwt

Top Customer Service

Ours is a partnership – we're committed to assisting you to reduce production costs while maintaining high production, high yields and high profits.

We'll partner you with a highly trained Area Field Consultant along with specialist Advisors.

Personal Guarantee

Our family stands behind our products. We promise to deliver high quality, effective products which will reduce your environmental footprint and add value to your farm.

For more information or for your free, no obligation soil assessment please phone your Area Field Consultant or AgriSea Customer Services on 0800 SEAWEED.



0800 SEAWEED
www.agrisea.co.nz

AgriSea New Zealand Ltd (Head Office)
3-7 Fraser Street, Paeroa 3600
New Zealand

Toll Free 0800 SEAWEED (732 9333)
P +64 7 862 8424
F +64 7 862 8404

Area Field Consultant in your area
info@agrisea.co.nz
www.agrisea.co.nz