




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 Dairy 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:


Soil
Nutrition




Pasture
Nutrition




Animal
Nutrition



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.



After 58 years of farming I came across AgriSea. I'm really seeing the results with my soil biology and animal health...I've got a thicker pasture sward with my rye and clover.

Barry Dempster
Hikurangi, Northland



My soil structure has hugely improved...it has stopped compaction, no hard pan and freed up drainage...Now that my biology is going and the composition of my soil has improved, I'm using a whole lot less fert.

Mark Shaw
Anchor Jerseys



*Healthy soil - Healthy pasture
- Healthy animals*



Since starting on the Soil & Pasture programme I've seen incredible activity – the worm activity is just phenomenal. Our soil tests indicate that our trace minerals have come into balance and that's reflected in our blood tests as well. With AgriSea it's well balanced – there's such a wide range of minerals and vitamins and growth promotants in it and we're really finding that coming through in our cows.

Nick Collins
Former President ODPG

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.



“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



“Fantastic results, really impressed... really noticed when our cows went into unsprayed pastures, our somatic cell count crept right up. As soon as they went back to AgriSea sprayed pasture down it would come.”

Nathan & Sharlene Gardner
Totara Creek Farms

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 Health Tonic

Most animal health problems are a direct result of nutritional deficiency including:
Staggers – Lameness – Poor Cycling – Low conception rates – Retained Foetal
Membranes – Mastitis – Somatic Cell Count – Scours – Bloat – Ill Thrift – Down Cows –
Ketosis & Milk Fever.

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



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.



“ After feeding my calves AgriSea Animal Health Tonic
we’ve had no scours and no sick calves. There’s a marked
improvement in the cows feet, we haven’t had to trim and
they are also noticeably more mobile – best I have reared
for years. ”

Wally Kite
Kiteroa Stud



“ I’ve been using the Animal Health Tonic for the last 10
years or more and I’ve never seen my stock look better. My
production is up there as much as the best years I’ve ever
had and animal health problems are non-existent. ”

Murray Sarjant
Ngatea



“ Been using the Animal Health Tonic as a drench twice
daily for treating cows with mastitis and that would clear
up most cases within two to three days. ”

Nathan & Sharlene Gardner
Totara Creek Farms

The Benefits of AgriSea Animal Health Tonic include:

- Optimise and improve overall livestock health
- Improved cycling, submission and conception rates
- Aids with metabolic problems
- Increased rumen microbiology
- Improved feed conversion
- Greater resilience during times of stress
i.e. calving, mating, weather extremes
- Improved hoof health
- Improved weight gains
- 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
- No withholding period



AgriSea

How To Guide

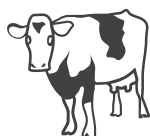
Application Rates



Soil Nutrition
5 litres per hectare



Pasture Nutrition
5 litres per hectare



Animal Health
5mls per cow per day
(health maintenance)
10mls per cow per day
(during times of stress)

Please Note:

These rates are intended as a guide only.

Application rates will be largely 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 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 Technical and Dairy 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
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