



EQUINE NUTRITIONAL SOLUTIONS





# Welcome to AgriSea

## Our family philosophy is simple:

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

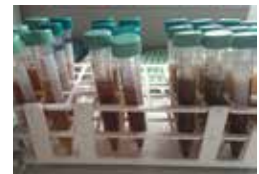
AgriSea NZ Ltd is a multi-award winning sustainable New Zealand company, family owned and operated. The company produces Seaweed concentrates and bioactive extracts for Soil, Foliar, Apiculture, Pasture and Animal Nutrition available in both liquid & solid form.

The New Zealand native seaweed species (*ecklonia radiata*) is batch-brewed with specially selected essential herbs for up to 90 days. The natural fermentation process eliminates the use of processing with heat, chemicals, freezing or dehydration that might 'denature' the sensitive nutrient balance, allowing the natural growth stimulants, micro-nutrients and bioactive compounds to be released in an active form to enhance soil, plant and animal health. AgriSea's natural brewing methods are unique for commercial production.

Research into the benefits of seaweed has been more advanced internationally than in New Zealand, as seaweed products have been used internationally for generations. AgriSea would like to provide research that is specific to NZ seaweed. AgriSea is committed to funding ongoing research trials in NZ to establish accurate data relating to the efficacy of its products.

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

**0800 SEAWEED**



A Kiwi company  
through and through

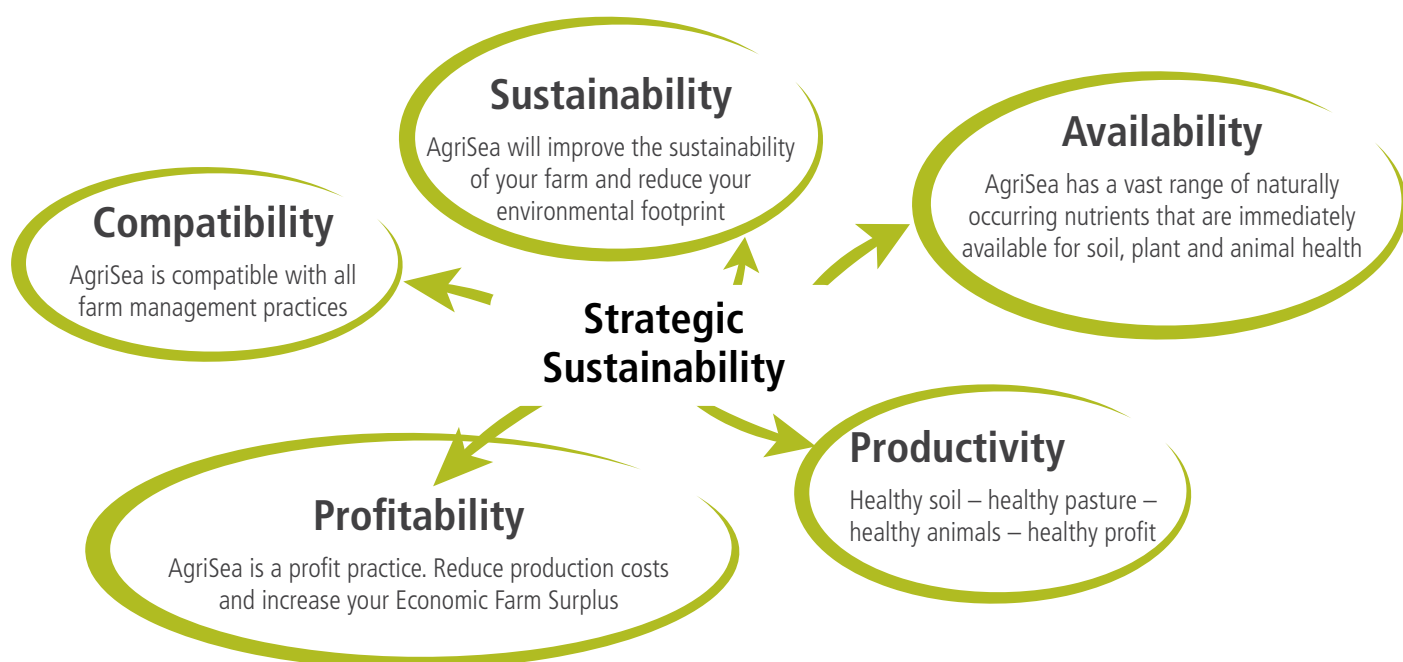




# Why AgriSea?

There are significant economic and environmental challenges facing the Equine 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 bio-stimulant which will feed your soil biology thereby improving your soil structure and soil fertility. Soil biology (or soil life) creates soil structure and produces soil nutrients in a plant available form.

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 utilised – ensuring the ongoing benefit of the previous solid / nitrogen investments made on your farm.

*Healthy soil - Healthy pasture - Health animals*

## Soil +

### Now available in a solid and liquid form

AgriSea Soil + is a unique blend of AgriSea liquid Soil concentrate and natural Zeolite allowing for a solid, sustained slow release, high nutrition product.

#### WHAT IS THE ROLE OF ZEOLITE?

Zeolite in Soil + is a high quality carrier for AgriSea liquid seaweed concentrates. Zeolite is a natural Aluminosilica formed by volcanic activity 200,000 years ago. All AgriSea Zeolite is mined locally in the central North Island of New Zealand.

Zeolite holds nutrients in the root zone for plants to use when required. The nutrient release from Zeolite is plant driven setting up a natural cycle for uptake. This leads to more efficient use of fertilisers and conditioners as the zeolite "recharges or reabsorbs" once its initial nutrients have been released.

Unlike other soil amendments it does not break down, remaining in the soil to help improve nutrient and water retention permanently.

### The Benefits of AgriSea Soil Nutrition include:

- Huge increase in your soil biology and 'voluntary army' (microbes and earthworms)
- Increased root length and mass
- 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.

## Combo +

**Now available in a solid and liquid form**

AgriSea Combo + is a unique blend of AgriSea Pasture Nutrition and Soil Nutrition all encapsulated in natural Zeolite allowing for an easy to apply sustained nutrient release. The unique blend of products allows for application efficiency.

### WHAT IS THE ROLE OF ZEOLITE?

Zeolite in Combo + is a high quality carrier for AgriSea liquid seaweed concentrates. Zeolite is a natural Aluminosilica formed by volcanic activity 200,000 years ago. All AgriSea Zeolite is mined locally in the central North Island of New Zealand.

Zeolite holds nutrients in the root zone for plants to use when required. The nutrient release from Zeolite is plant driven setting up a natural cycle for uptake. This leads to more efficient use of fertilisers and conditioners as the zeolite "recharges or reabsorbs" once its initial nutrients have been released.

Unlike other soil amendments it does not break down, remaining in the soil to help improve nutrient and water retention permanently.

### 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: Staggers - Lameness - Mud Fever - Rainscald. AgriSea Animal Nutrition provides a vast range of natural nutrients, minerals, vitamins and trace elements that are immediately bio-available to your horses.



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.



// Fleur De Lune, Group one winner, and winner of over \$420,000 in stakes, can have much of her success attributed solely to AgriSea. Fleur receives AgriSea Animal Health Tonic daily and Cambridge Thoroughbred Lodge has been using AgriSea Soil and Pasture for over 3 years and have seen a dramatic improvement in pasture quality and overall animal health. //

**Lee Somervell**  
Cambridge Thoroughbred Lodge - Trainer of Fleur De Lune



// AgriSea fore fills all of my team of horses supplementary requirements. It is extremely easy to administer and has become a big key to my success. //

**Jake Lambert** Lambert Equestrian



// Since using AgriSea Animal Tonic, we have noticed the horses coats have become shiny and healthy with real essence of colour. We believe animal tonic is a great base of seaweed, which offers a natural boost to the horses immune-system.

Also after using the soil nutrition the pasture looks healthy with excellent clover base and the rye grass tithing well. When digging into the top soil, the first thing you notice is the abundance and size of the worm population. The team at AgriSea have been extremely friendly to deal with and so supportive. Thankyou. //

**Jessica Woods**  
Little Valley Farm, Waikato

## The Benefits of AgriSea Animal Nutrition include:

- Dramatically improved performance
- Optimise and improve overall health
- Aids with metabolic problems
- Improved feed conversion, Stimulated appetite.
- Greater resilience during times of stress
- Improved hoof health
- Improved weight gains
- Enormous cost savings with health supplements
- Reduced nervousness
- Helps with grass staggers

## Ease of Use

- Add to water troughs
- Can be used in conjunction with other oral products
- Always allow access to clean fresh water
- No sweeteners needed
- No mixing required



# AgriSea

## How To Guide



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.

### Animal Health



Maintenance Ponies 10-15mls per day - hacks 20 -25mls per day.

Light work - dressage, pony club, hacking/ trekking - 30mls per day.

Medium work - show jumping 40mls per day.

Heavy work - racing, endurance, eventing 60mls per day.

Pre travel or pre event - 30 mls.

Illness - to aid in healing and health - 60 mls.

Animal health tonic can be added to feed or syringed directly into mouth.

Clean fresh water must always be available.

Adjust intake for heavier or lighter horses. These rates are intended as a guide only.

#### SALT BLOCK DOSE RATES

Seaweed Salt Block 20kg

Horses: 1 block per 10 stock units



#### DIRECTIONS FOR USE

Cut around carton – leave the block in tray for added convenience and protection : Place the blocks near areas where stock gather.

#### SEAWEED PELLET DOSE RATES

15 g per animal per day = 27 pellets

20g per day per animal if in work = 36 pellets



#### ANIMAL + DOSE RATES

Health Maintenance: 15gm per animal per day

Times of stress: 30gm per day or 210gm per animal per week



### Application Methods



#### 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



#### Air Based Method:

Helicopter, Plane

#### Air Based Application:

1 part AgriSea to 2 parts water (Optimum 1 to 3)

### Application Times

Optimum application times are early morning or late evening, and are weather dependant.

**Earth temp** – no lower than 6°C

**Air temp** – no lower than 10°C

### Application Rates



#### Soil Nutrition

5 litres per hectare



#### Pasture Nutrition

5 litres per hectare



#### AgriSea Solid Soil+

Autumn & Spring  
20kg/ ha

#### AgriSea Solid Combo+

Autumn & Spring  
30kg/ ha



★ Fine filtration ensures no clogged lines, drench guns or spray nozzles

★ Compatible for use with other products

#### 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.

# 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.

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

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**www.agrisea.co.nz**

### Animal Product Typical Analysis

#### Minerals and Trace Elements (mg/L - ppm)

Nitrogen 50.35	Phosphorus 10.07	Potassium 2134.84	Sulphur 271.89
Calcium 90.63	Magnesium 211.47	Sodium 1701.83	Iron 0.703
Copper 0.064	Manganese 0.041	Iodine 454.50	Molybdenum 0.01
Selenium 0.01	Zinc 0.360	Boron 6.06	Cobalt 0.01

#### Vitamins

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

#### Amino Acids (mg/100g)

Aspartate 971	Histidine 50	Lysine 391	Phenylalanine 381	Tyrosine 171
Asparagine 1.141	Proline 398	Glutamine 976	Alanine 583	Isoleucine 380
Serine 381	Arginine 451	Leucine 649	Threonine 415	Valine 402
Methionine 253				

#### Cytokinins & Auxins

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

**Phlorotannins** 8-10% g dwt

**Mannitol** 3500 µmol g dwt

\*Declared values are considered averages and are subject to seasonal variation.

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