

# VERTESEA - A Natural Liquid Seaweed

## Understanding VerteSea

VerteSea is designed to integrate with nature's own soil processes. VerteSea combines with earth's bionetwork to provide healthy high-yielding plant growth. At the same time VerteSea feeds and protects healthy soil, earthworms and soil micro-organisms through a supply of natural, enzyme-enriched nutrients.

A healthy productive soil contains billions of micro-organisms which break down minerals, feed on dead plant and animal materials, break down proteins, sugars, fatty substances, starches, cellulose etc, and liberate carbon dioxide, nitrogen, phosphorous, and other minerals in a plant available form.

It was Sir Albert Howard in the 1940's who stated that although science was being subdivided into different categories such as chemical, botanical, physical etc, this could not be applied to agriculture as it was beyond the capacity of the individual plant to sustain its life processes in separate phases.

The plant eats, drinks, breathes, sleeps, digests, grows, sickens, suffers or recovers, and reacts to all its surroundings in the course of twenty-four hours and none of its operations can be carried on apart from all the others.

Fertilizer New Zealand has a full range of conventional and BioGro Certified Products. Some solid and liquid products are: Phosphate 365 for year round application, VerteBlack for Liquid Humic Acid, Actavize for instant grass and stock health, VitaLife for a healthier more productive soil.



## VERTESEA's Benefits

1. A specially formulated combination of natural seaweed.
2. Healthier, calmer livestock, lower vet bills and higher production.
3. Provides a range of fertilising elements.
4. Minimises loss from leaching.
5. Maximises nutrient uptake and efficiency.
6. Activates and improves enzymatic activity both in the plant and the soil.
7. Assists plants recover from stress related set backs. Healthy plants are more resistant to pest attack.
8. Healthy soil micro-organisms colonise root systems and produce enzymes and natural anti-biotics to protect plant root systems from pathogens.

## Application Rate

### Pasture

Dairy 15-25 litres/ha

Drystock, Hay 10-20 litres/ha

For best results application should be made before or after rain, or when there is dew in the ground.

Ground application dilute 1:30

Aerial application dilute 1:1

### Field Crops

Booster 15-20 litres/ha

Corn, Maize, Brassica, Cereals, Pumpkin, Squash, Kumara, Potatoes and Onions.

Dilute 1:200 or 1:150 & apply 3-4 times

Dilute with as much water as possible & apply when planting out. Final amount used will depend on amount of base fertiliser used.

### Nurseries, Trees & Scrubs

Dilute 1:200 & apply every 10-14 days during the growing season. As a base fertiliser dilute with as much water as possible & apply before planting out. Use 15ml concentrate per square metre.

### Foliar Spray

Pip & Stone Fruit, Citrus & Berryfruit, Glasshouse Crops, Flowers

Apply diluted 1:200 or 1:150 at 3-4 weeks intervals during early fruit growth & longer intervals from then onwards. Use with routine sprays for efficiency. Final rates will depend on amount of base fertilizer used. Apply to drip point.

### Seedlings

Dilute 1:250 & soak seedlings overnight.

Otherwise, add bottom of hole dug for seedling. Will not harm the most tender seedling.



## Application Information & Tips

**Dilution:** Dilute 1:150 or 1:200.

**Mixing:** Always add water to tank first, then add pre-mixed fertiliser. In all instances VerteBlack can be applied in split dressings. Can also be added to your regular sprays although when mixing for the first time test on a small scale first and consult spray manufacturer's recommendations as to additives.

**Agitation:** Contents may settle on standing and drum should be well agitated prior to use by stirring or rolling.

**Filters:** Maximum particle size is 197 microns (.197mm). Very fine filters may need to be removed from your spraying equipment, or alternatively pre-mix your fertiliser with water and strain prior to adding to final amount of water.

**Application Timing:** In line with good spraying practice we do not recommend using this product in the heat of the day. Early morning or late evening is preferable.

**Storage:** Due to its organic base, this product should not be stored after dilution. In its concentrated form it may be stored in a cool dark place indefinitely.

**Non-toxic:** VerteBlack liquid fertiliser technology means it is efficient to make, efficient to use, efficient in its action, doesn't leach into our waterways and is a low climate change contributor. It is also not harmful to beneficial insects, birds or livestock when used as directed.

**Liability:** Because of the wide variance in soil properties and fertility, climatic conditions, handling, mixing and application, the Company cannot be held responsible for the results obtained.

**To talk to our fertiliser experts call 0800 337 869**

**To find out more visit [www.fertnz.co.nz](http://www.fertnz.co.nz)**