

VITALIFE – NATURALLY IMPROVING SOIL

What is it?

VitaLife is a range of products that include calcium organic matter and beneficial fungi. This special fungi improves plant growth by controlling pathogenic fungi. The **VitaLife** products include VitaLife Magnesium, VitaLife Carbon, and VitaLife. All VitaLife products are BioGro Certified.

How does it work?

VitaLife increases the development of humus, which is the organic 'glue' in the soil. It is made from the breakdown of organic matter by beneficial bacteria and fungi. **VitaLife** is an excellent medium for the growth of beneficial fungi. It also contains a range of working bacteria-based plant growth enhancers that help with disease resistance. Specific bacteria have been included to fix nitrogen and phosphorus from the environment.

VitaLife Magnesium:

- ✓ Assists with vigorous growth
- ✓ Increases oxygen availability
- ✓ Improves disease resistance
- ✓ Improves soil nutrient and moisture storage capacity

The Fertilizer New Zealand Difference

VitaLife has been carefully designed to meet the demand for better soil. The majority of agricultural soils are now fungi-deficient which can explain low brix levels, low calcium and phosphate levels in the leaf, limited disease resistance. **VitaLife** products work to restructure soil.

We can also offer tailored **VitaLife** products to suit your needs with the inclusion of solutions for grass grub and porina control.



Fight grass grub with VitaLife.

Fight Porina with VitaLife.



"This autumn we applied 200kg/ha of VitaLife Magnesium with microbes to help combat grass grub and porina. The result was more worms and better root systems in the plants than when we used inorganic fertiliser."

Kerry and Vicky Milligan, Murchison.

Technical Specifications VitaLife Magnesium

Ca	Calcium	23%	Mg	Magnesium	11%
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VitaLife Calcium

Ca	Calcium	30%
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Fungi and Calcium – the perfect pairing

Calcium (Lime) is the most important soil nutrient because it governs the uptake of lots of other nutrients, including the oxygen needed for good soil health.

Certain kinds of fungi help with the retention of calcium and its availability to the plant. **VitaLife** has researched and matched just the right fungi to do the job.

Fertilizer New Zealand can also supply a range of BioGro certified products from fertilisers to compost and septic tank activators. Contact us for details of the full range.

Who we are

Fertilizer New Zealand is a wholly New Zealand owned, independent company specialising in quality, cost-effective fertiliser. We offer farmers a full range of solid, liquid, biological and certified organic products. The difference is all our products are proven to enhance the natural environment. We're about effective and sustainable fertiliser solutions.



Why is our fertiliser better?

- ✓ Dollar for dollar it produces better results – and we have the proof. Our fertiliser has a leaching capacity of 0.03% per year – compare this to the 30% leaching of many other fertiliser companies.
- ✓ Our products not only increase production – uniquely they improve the long-term quality of the soil. Our products re-balance the soil.
- ✓ We offer truly sustainable and environmentally healthier fertiliser that improves growth outcomes compared to many standard fertilisers.
- ✓ We manufacture at our own New Zealand plant. Our liquid fertiliser has been scientifically designed to mimic nature's own soil processes.

A Kiwi Success Story



John Barnes, the founder of Fertilizer New Zealand, was the first person in the South Island to commercially produce biological fertiliser. That was over 15 years ago and since then the company has grown from strength to strength as the results on the paddock are reflected in sales. Now Fertilizer New Zealand is recognised as a leader in sustainable fertiliser development.

"We no longer drench for bloat and production has climbed each year since changing our fertiliser regime. Our top producing cows now produce more than 600kg MS"

Kerry and Vicky Milligan, Murchison



The Carbon Test



Reducing airborne carbon is an international focus. Fertilizer New Zealand is able to assist in reversing that trend by increasing carbon containment in the earth. Our extensive soil testing over many years has confirmed this and the net benefit is that carbon-rich soil can hold more fertiliser in the soil structure. This double benefit helps your production while decreasing carbon emissions.

PHOSPHATE 365



What is it?

This is a soft phosphate rock, chemically different to hard rock.

How does it work?

Because it's not water soluble, there is minimal leaching and run-off loss. It has high reactivity which increases the ability to dissolve and release the available phosphate into the soil.

The Fertilizer New Zealand difference

We meticulously source our **Phosphate 365** to get the best the world offers. The high quality means very fine particle size and very little dust as well as the lowest heavy metal content available.

Benefits

- ✓ P content on average is 10.5%
- ✓ Citric Solubility is around 45% which puts it in the superior performance range.
- ✓ One of the world's most natural reactive phosphates available worldwide.
- ✓ Perfect for aerial and land spreading.
- ✓ Calcium on average is 23.6%

VITAPHOS



What is it?

Vitaphos is a unique formulation of Reactive Phosphate Rock, sulphur and a blend of beneficial bacteria and fungi to enhance soil health and plant performance.

How does it work?

Vitaphos stimulates the Rapid Organic Cycle in the soil, releasing plant available nutrients. The mix supplies large amounts of the nutrients P, S and Ca as well as millions of live bacteria to stimulate microbial and worm activity. Along with the beneficial fungi the net result is extended root mass, allowing increased uptake of elements such as phosphorus, zinc and water.

The Fertilizer New Zealand difference

We can tailor the mix to your specific needs by adding nitrogen, potash, extra sulphur or trace minerals. Every tonne of Vitaphos has about half a tonne of liming value. **Vitaphos** also comes in 10% and 20% options. You can choose your strength of Vitaphos.

Benefits

- ✓ A general improvement in animal health and performance.
- ✓ Enhances life both above and below the ground.
- ✓ Excellent source of sustained release phosphorus and sulphur.

ACTAVIZE

What is it?

Actavize is a friendly-to-the environment liquid fertiliser. It is a suspension that contains proteins, enzymes and amino acids derived from fish meal. It also contains added carbohydrates, minerals and naturally-occurring growth promotants including Triacantanol and Gibberellic.

How does it work?

Developed to simulate the natural soil processes, **Actavize** is applied as a foliar spray, allowing rapid absorption of the nutrients through the foliage, with the suspended solids available to the root system. It is proven to improve soil microbial activity, assist recovery of dry soils, improve plant disease resistance and growth.

Increase Your Yield

It's straight-forward common sense – your yield is limited by the smallest quantity of the plant nutrient relative to crop requirements.

Actavize works on the principle that healthy plants come from healthy soil. A Nelson farmer who applied **Actavize** on his deer pasture over two years at a rate of 40 litres per hectare with lime and natural compost, reported pasture growth of 85kg dm/ha/day – well above the 60kg dm/ha/day top farms locally were achieving.

“We sprayed half a paddock with Actavize and applied Urea to the other half. The two most noticeable results were the clover starting to come through on the Actavize side of the paddock only and the fact that when the herd went into the paddock they always grazed the Actavize side of the paddock first which seemed to satisfy them better.” Rob M.

Actavize Technical Specifications

Please note that because this is a natural product, it is not possible to guarantee analysis to be absolute. However, each batch is produced so that there will be no significant difference in the results obtained.

MEGAtonic

What is it?

MEGAtonic is a great nutritional boost for maintaining consistently healthy animals. This product has been specially formulated in New Zealand for New Zealand conditions to supplement and promote growth and well being in Sheep, Beef, Cattle, Dairy and Deer. It was developed by none other than Dr Jim Bruce-Smith.



Benefits

- ✓ Aids with weight gain in animals that have less than ideal feed conditions.
- ✓ Excellent for animals that require a high mineral intake requirement.
- ✓ Very useful where animals are in stressed condition.
- ✓ This product is easily added as a drench.

Ingredients

Magnesium Sulphate, Zinc Sulphate, Copper Sulphate, Manganese Sulphate, Cobalt Sulphate, Nickel, Sulphate, Chrome Alum, Sodium Polyborate, Sodium Selenate, Sodium Molybdate & Lugol's Iodine.

Dose Rate

FOR ORAL DRENCHING USE

Sheep	Lambs 3ml/head Ewes 5ml/head	Hoggets 3-5ml/head Rams 5ml/head
Beef/Cattle	Calves 7-10ml/head Adults 7-10ml/head	Yearlings 7-10ml/head
Deer	Fawns 3-5ml/head Hinds 10ml/head	Yearlings 5ml/head Stags 15ml/head
Dairy	Calves 7-10ml/head Adults 7-10ml/head	Yearlings 7-10ml/head