

Welcome to a smarter fertiliser philosophy.

Mainland Minerals are a bio-responsible fertiliser company who are future focussed with a range of Fine Particle Fertiliser and Granular products that work sustainably and effectively with the soil.

- The business was founded in 1938 by Animal Nutritionist,
 Fergus Hickey
- Mainland Minerals are pioneers of trace elements being added to fertiliser in NZ
- Mainland Minerals Southern was established in 2007 as a standalone company
- 100% dedicated to help farmers reap better financial returns
 & reduce their farm's environmental footprint
- Largest fine particle fertiliser supplier in NZ
- · BioGro Organics certified



Everything your soil needs and nothing it doesn't

"We use the right tool for the right area of the farm, depending on its nutrient status found within comprehensive soil testing."

At Mainland Minerals, we have a different fertiliser philosophy. We believe that less is more, and that our quality product is much more sympathetic to the soil and soil structure. We use the right fertiliser tool (fine particle or granular) depending on the comprehensive soil test results; each mix being customised precisely for the specific crop or pasture.

Our Fine Particle Fertiliser application, means farmers are putting less product into the soil while still getting the same or better results in the form of pasture utilisation, greater grazing efficiencies, lambing percentages, faster finishing or more milk in the vat. The product is more natural and less water soluble, always taking into account good soil structure that supports strong and sustainable plant growth.



Who we are

Mainland Minerals Southern is locally owned and operated by Murray and Aimee Cockburn, servicing farmers throughout Southland and Otago.

Murray has a Masters in Engineering Management, experience in start-up companies and finance. He has been instrumental in navigating the strategic direction of Mainland Minerals. Aimee has a Bachelor of Business Management with a background in the Military and Business Management. She compiles management accounts through to EOM financial reporting and runs a very tight ship with anything day-to-day business related.

The team of dedicated staff at Mainland Minerals know the importance of getting their customers educated on the combination of both granular and fine particle fertiliser. Mainland Minerals understand the importance of farmers filling their low K & P soil levels with granular fertiliser, as it is critical in the long-term success for fine particle fertiliser to shine; it's a fine balance.



Fine Particle



What we do

At Mainland Minerals Southern we take a holistic view and always ensure soil science is at the very core of our approach.

We use a unique mix of ethically sourced fertiliser to offer a completely sustainable solution that not only delivers premium results for your farm, but is also better for the environment.

Every farm is remarkably unique.

Starting with soil tests and assessments of the physical and biological aspects of your farm, we then recommend either fine particle or granular fertiliser (or a perfectly customised combination of both) to ensure that your soils and pastures get exactly what they need.

At the heart of what we do is trusted scientific research and experience that tells us exactly how to maximise pasture, crop performance and animal health.

We really do consider the bigger picture, because it's about more than just fertiliser, it's about the future of both your family and your land.

The right tool for the right job

Granular Fertiliser

- Customised based on soil test
- Low P or very low K area capital requirements
- Better NPKS solutions smarter fertiliser
- Balance Ca, Mg, K, Na for better animal & milk production

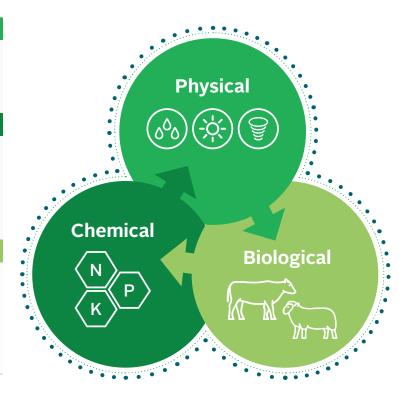
Fine Particle Fertiliser

- Major nutrients, trace minerals and seed applied in one application
- Gives an even distribution of nutrient across the paddock
- Gives accurate spread of nutrient without risk of blowing away, running off
- Nutrient customised based on soil test result
- · Lift biology in soil, speed up nutrient recycling
- Customised trace minerals to help animal and clover performance

Mainland Minerals Fertiliser Benefits

Whatever your fertiliser requirements are, our products work at three levels using our Mainland Minerals Framework

Physical WHAT'S INVOLVED **OUTCOMES** Drainage • Improved drainage Aeration • Better drought tolerance Water retention Chemical WHAT'S INVOLVED **OUTCOMES** NPKS • Understand major and trace nutrient limitations AG Lime · Customised solid fertiliser • Fine Lime • Better application Mg/Salt T/M **Biological** WHAT'S INVOLVED **OUTCOMES** • Limeflour • Improved soil biology • Pasture Pro • Improved soil structure • Denser pasture, deeper rooting & less thatch • Healthy animals, better weights, finish stock faster



• • • Granular Fertiliser

..... Fine Particle Fertiliser

Fine Particle Fertiliser benefits

Fine Particle Fertiliser has been proven in long term independent trials to be a better all-round fertiliser than traditional fertilisers, along with being more sustainable.

01.

Evenness Of Fertiliser Spreading

All plants receive the same ratio of nutrients, resulting in a more even pasture sward and greater dry matter production.

02.

Greater Surface Area

The result is rapid uptake of nutrients into the plant and soil system, leading to a quicker growth response.

03.

Sustainable

Activating soil biology and nutrient recycling has shown better long-term production.

04.

Nutrient Uptake By Foliage

Nutrients fed directly through leaves and into roots.



05.

Four Jobs In One

Major nutrients, Trace elements, Biological activation (Pasture Pro and Lime Flour) and Seed all applied in one single pass. 06.

Proportions Of Nutrients Can Be Varied

Every fertiliser mix is unique and blended according to the nutrient requirement of each area of farm.

07.

Environmentally Friendly

Exact nutrients applied is matched to soil testing, and more accurate spreading means less nutrient lost to waterways.

08.

Economics

Fine Particle
Fertiliser yielded
significantly better
stock health and
economic return
in long-term
independent trials.





Granular Fertiliser benefits

At Mainland Minerals, we use granular fertiliser to fill up the nutrient pantry of low phosphate/calcium soil or soil that is very deficient in potassium. Granular fertiliser is also essential as starter fertiliser when sowing crops and pastures.

Mainland Minerals offer a customised mix of the exact nutrients needed on farm once comprehensive soil testing has taken place.

We work hard to bring you the best nutrients from around the world. Nutrients that provide your farm the best productivity, sustainability and bottom line economics.

Key areas we excel are;

- **Nitrogen:** We combine with natural additives to slow release of N to plant and ensure less is lost to air and waterways.
- **Phosphate:** Our three stage release, neutral pH and very low heavy metals (carcinogens) are a stand out.
- **Potassium (K):** We use the Ratio Theory to balance up quality of pastures for animal health, combined with Quantity Theory to ensure the pantry is full.
- **Sulphur:** We supply quick and slow release products tailored to crop or pasture.

Biological additives, humates, PasturePro and/or seaweed can be supplied with granular fert as you require.



How our Fine Particle Fertiliser is applied

Customised fertiliser mixes are ground down to a very fine powder, then mixed on farm with water from the creeks, ponds or tanks in our very specialised mixing gear to make a very dry fertiliser slurry.

The fertiliser is then sprayed onto the leaf of the pastures by truck, plane or helicopter, ensuing that every plant gets exactly the nutrients it needs, and nothing it doesn't.



GROUND SPREAD TRUCK

For flat to rolling farmland, we typically use ground spread trucks with on board cranes, specialised enclosed mixing tanks to mix fertiliser into a thick slurry and encapsulated spinners to apply the fertiliser with a very even spread pattern.

HELICOPTER

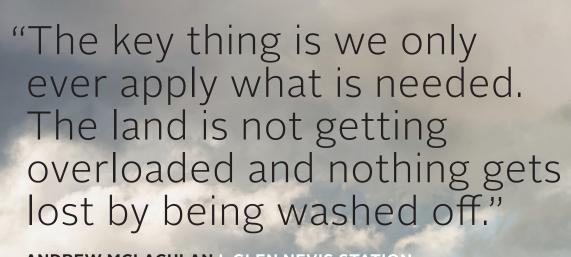
For patchwork paddocks, such as crops or where the farm does not have local access to a suitable airstrip, we use helicopters to ensure fertiliser is accurately applied where it is meant to go. Fertiliser is mixed on site and applied through a specialised helicopter bucket.

PLANE

For larger scale blocks where a suitable local airstrip is available, we use planes to apply fertiliser. Fertiliser is mixed on site, pumped into the plane and spread through boom spray nozzles.









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