

# Seeds, pastures and fertiliser

## Building resilient soil systems

BUILDING resilient soil systems with Super-Min allows farmers and nature to prosper in a changing climate.

Farm trends come and go, but perhaps nothing has gathered momentum like the subject of soil health and climate change.

Unlike most trends though, soil health has staying power.

That's because farmers and landowners find that adopting sound soil health practices boosts and improves the soil's ability to consistently produce a crop, regardless of weather extremes.

Mother nature has built soil communities over thousands of years.

Soil teems with life.

A handful of good soil contains more living creatures than the world has people.

Soil health value extends way beyond agronomics.

But what if the soil's improved resiliency (which helps boost yields in tough environments) adds financial value to your land?

This case could be made with lenders to farmers.

The economic value of soil health should not be overlooked.

To gauge human health a simple blood test can help doctors detect high cholesterol, organ function, heart disease and other health factors.

Soil health tests have only

been recently developed, but there are no national standards.

"In soil health, there's no easy way to say, 'Here's the problem and now here's the solution,'" said Mineral Fertilizers' Mark Williams.

It is important to note that believed external inputs for higher crop production such as fertilisers, pesticides and herbicides are reliant on non-renewable fossil fuels.

With increasing costs for transport, natural gas and oil, the use of these agrochemical inputs becomes more and more expensive, especially for resource poor Western Australian farmers.

"Chemical fertilisers are an abysmal substitute for broad-spectrum mineral nutrition," Mr Williams said.

"Their energy-intensive, carbon dioxide creation and release production and shipment around the world are, in the long run, not sustainable.

"We require practical, low-cost and result oriented long-term strategies that address the needs of farmers and the need for better and long-term care of the soil.

"In order to move towards longer-term and more practical land and soil restoration, not only farmers, but all those that prosper from the agricultural soils in WA have to look at alternative solutions."

In recent years, soil has been identified as an under-utilised carbon



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sink with great potential to alleviate climate pressure.

Spreading Super-Min on farmland could suck millions of tonnes of carbon dioxide from the air every year, according to the first detailed global analysis of the technique.

Enhanced rock weathering (ERW) could help slow climate change by sucking carbon dioxide from the atmosphere.

This process occurs with the application of Super-Min to the soil.

Super-Min dissolves in rainwater, carbon dioxide is drawn from the atmosphere into the solution to form

bi-carbonate ions which lock in the carbon dioxide and essential nutrients are released for plants.

"Maybe the carbon credits created could be sold for more profit," Mr Williams said.

Investing in your soils should be no different to the next machinery investment.

Modern science is only beginning to understand the benefits of nature's original soil amendment; Super-Min.

This inexpensive, abundant, locally available material could prove instrumental in rebuilding the world's soils. The broad-spectrum minerals in

Super-Min provide major, minor and trace nutrients that support vigorous plants above the soil and extensive biological life within the soil.

Well-nourished micro-organisms are the vital link between organic matter and high-quality humus.

A humus-rich, remineralised soil is truly fertile – such a soil makes healthy plants, which make healthy yields, which makes healthy farmers.

"If we can manage for healthy soils, we can solve a lot of problems," Mr Williams said.

More information: go to [mineralfertiliser.net.au](http://mineralfertiliser.net.au)

# Super-Min<sup>®</sup>

Zero Carbon Foot Print



## Broad-Spectrum Mineral Nutrition

"If we can manage for healthy soils, we can solve a lot of problems."

Build Your Soil, Cut Costs & Increase Profits

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