



Biodynamics2024

GROWING THE SOLUTION

Regenerate our Soils, the Climate & Human Health

Many of us, both city and country consumers, are concerned about the quality of the food we eat since it is a key ingredient in our health and wellbeing.

Leading research worldwide indicates the quality of our food depends on the quality of the conditions it is grown or raised in. For good reasons there is an increasing demand among consumers for chemical free fruit and vegetables. All over the country in all sorts of places people are now growing their own because the end result tastes better and is ultimately healthier.

As any keen gardener or experienced grower will tell you the answer lies in the soil.

Biodynamics2024 provides proven methods and products that enrich and deepen topsoil. Field tests demonstrate biodynamics enhances water holding capacity, increases plant yield and disease resistance and raises the nutritional value of human and animal foods. This is of obvious benefit to both farmers and gardeners alike.

An added bonus, in this time of accelerating climate change, is that the biodynamic method increases soil carbon capture reducing the build-up of carbon in the atmosphere.



In addition to our soil boosting products Biodynamics2024 offers workshops and field days so all types of growers can cultivate nutritional food using simple low cost methods that are naturally based and chemical free.

Biodynamics2024 invites you to get involved and help make a significant difference. It is in our hands; the health of our Earth and therefore our own health depends on each and every one of us influencing the way we produce food.

Biodynamics2024, at its heart, aims to leave the planet enriched for future generations by offering sustainable growing methods that regenerate the environment and help mitigate the effects of climate change.

Find out how you can help

Contact Hamish on 02 6657 5270 or visit our website www.biodynamics2024.com.au



What is Biodynamics?

Biodynamics is a new way of thinking — an ethical ecological approach to sustainable agriculture, food production and nutrition.

It was developed in the 1920's by Rudolf Steiner in response to questions by farmers already concerned with reversing the noticeable degeneration in plant and animal fertility and health.

Today, biodynamics encompasses a multitude of successful farms, vineyards and market gardens of all shapes and sizes on all continents. Biodynamics is well known to enhance the nutrition and quality of the food being produced.

Biodynamics2024 Director

Hamish Mackay brings 40 years of biodynamic experience and know how to Biodynamics2024.

In the 1970's he was a key player in implementing major improvements to the Australian wool industry by transitioning wool to sale by sample and description. Hamish pioneered the commercial use of controlled atmosphere grain storage for pest management, making it possible to export biodynamic and organic grain. This is now common grain storage practice. His work at the Demeter Bakery in Sydney in the 1980's helped create greater community awareness of the role food and nutrition play in ongoing human health and well-being.



Hamish is an adept educator in biodynamics and well known for his ability to build skill and capacity in the workshops he facilitates across Australia.

Summary - Australia's environmental potential

SOIL:

Australia loses 6.97 tonnes of soil per hectare per year across the entire continent. Biodynamics creates humus which holds and builds the soil as well as increasing drought tolerance.

WATER:

In Australia's landscapes a 2% increase in humus to 20cm depth would equate to an increase in water-holding capacity of approximately 30 litres per square metre or one Olympic pool per 10 hectares.

CARBON:

Globally, we require to grow 2% organic carbon into only 10% of our productive, degraded lands to absorb the estimated 6.1 gigatonnes of carbon dioxide emissions to make a carbon negative world possible in our lifetime. Note: biological carbon sequestration is very different to carbon GEOsequestration, a physical process.

WEEDS:

Annual production losses exceed \$2.5 billion and farmers spend \$1.5 billion on control. Weeds are useful indicators of imbalances in soil. Biodynamic practitioners learn to understand their purposes and obtain relief through developing active, healthy soils.

HUMAN NUTRITION:

Biodynamic humus creates the foundation for healthy plants and animals which form the premium source of health oriented human food and nutrition, also reducing health costs. High quality food tastes better.

ECONOMY:

Australia imports approximately \$4 billion in agricultural chemicals. This is approximately \$30,000 per farmer. By freeing ourselves from this requirement we have more resources - \$4 billion - to spend in local communities, annually.