



microtek
ORGANICS
• HEALTH FOR SOIL •

OUR WORMS WORK FOR YOUR SOIL.



Who We Are

Microtek Organics is a family-owned Australian company based in the Barossa Valley, dedicated to improving soil health through science-backed, microbe-rich fertilisers. With more than 15 years of hands-on experience across viticulture, horticulture, broadacre farming, hydroponics, and home gardening, we specialise in organic solutions that restore soil biology, boost plant resilience, and support long-term productivity.

Our formulations are created using a refined vermiculture process, where carefully maintained worm systems produce high-quality castings and nutrient-rich liquid extract. These living inputs are rich in beneficial microbes, organic compounds, and plant-available nutrients—designed to feed the soil first, so your plants can truly thrive.

We believe soil should be treated as a living ecosystem, not just a growing medium. That's why every Microtek product is developed to work in harmony with nature—improving soil structure, encouraging microbial activity, and helping growers reduce their reliance on synthetic inputs.

Whether you're growing vegetables at home, refreshing garden beds, maintaining lawn health, or nurturing fruit trees, our products are easy to apply and compatible with everyday tools like watering cans, spray bottles, or hose-end sprayers.

With every application, you're supporting stronger plants, healthier soil, and more sustainable growing outcomes.

Stronger plants start with living soil.





Vermiculture & Soil Health

At the heart of Microtek Organics is a refined vermiculture process that transforms organic inputs into powerful, living fertilisers. As worms break down organic matter, they produce a biologically rich liquid extract filled with beneficial microbes, enzymes, and plant-available nutrients.

This extract contains a diverse population of bacteria and fungi, often far more concentrated than what's typically found in untreated soils. These microbes play a vital role in nutrient cycling: as they feed on organic matter, they release vitamins, enzymes, and nutrients in forms that plants can absorb immediately. In fact, research shows that a thriving microbial system can release over 180kg of nitrogen per acre through natural cycling alone.

The benefits of vermiculture-based fertilisers extend beyond nutrition. These microbes also:

- Improve soil structure by forming stable aggregates that enhance aeration and water retention
- Compete with harmful pathogens, reducing the risk of soil-borne disease
- Support plant resilience by strengthening the soil's natural defence systems

Whether applied to garden beds, lawns, fruit trees or hydroponic systems, Microtek's microbe-rich formulations deliver a steady, reliable source of nutrients directly to the root zone. Unlike synthetic options that leach away with rain or irrigation, our living fertilisers remain active in the soil—continuously feeding your plants and building long-term soil vitality.

This approach doesn't just support healthier crops now—it re-establishes soil as a living, self-sustaining system that benefits both plants and growers season after season.





Our Product Range

Our broad range of products are designed to meet the nutritional needs of every commercial and home garden.





WORM NUGGETS

Long-lasting soil support.

Worm Nuggets are compacted, microbe-rich pellets made from premium worm castings—designed to provide a steady, slow-release source of organic matter, nutrients, and beneficial microbes. Ideal for revitalising tired soils, these nuggets work gradually to improve structure, boost fertility, and activate biological processes essential for long-term soil regeneration.

They're easy to handle, low-odour, and suitable for a wide range of applications including garden beds, pots, lawns, and planting holes. As they break down, Worm Nuggets feed both your soil and your plants, reducing the need for synthetic fertilisers and supporting a healthier, more resilient growing environment.

Key Benefits:

- Slow-release source of nutrients and organic matter
- Enhances soil biology and microbial diversity
- Improves soil structure, moisture retention, and aeration
- Safe, odour-free, and easy to apply
- Ideal for gardens, potted plants, and soil restoration

When to Use:

Apply at planting or throughout the season to boost soil life and maintain fertility. Perfect for regular soil enrichment or targeted recovery in problem areas.



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REPAIR your soil

100% premium worm extract,
enriching soil with essential nutrients
and boosting microbial life.

1 LITRE | MAKES 60L



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REPAIR

Restore soil health. Rebuild plant strength.

Repair is a powerful all-in-one soil conditioner and microbial fertiliser designed to restore vitality in plants and soils that have been compromised by chemical treatments, environmental stress, or poor soil structure. Built on a base of biologically active worm extract, Repair helps reset the soil's natural balance, making nutrients more available and encouraging healthy microbial activity.

It's ideal for use after the application of fungicides, herbicides, or synthetic inputs, and is particularly effective in dry or depleted soils where root function and nutrient uptake are impaired.

Key Benefits:

- Rebuilds soil structure and microbial balance after chemical exposure
- Improves plant recovery, resilience, and stress tolerance
- Enhances water infiltration and soil moisture retention
- Boosts microbial diversity and supports long-term fertility
- Suitable for use on all plants and crops, across all growth stages

When to Use:

Apply Repair at any time to improve soil condition, but especially after pesticide or fungicide use, in periods of high stress, or in soils showing signs of poor performance.



AMINO-MATE

Resilience in every drop.

Amino-Mate is a concentrated blend of naturally derived amino acids that improves plant health, stress tolerance, and nutrient absorption. Amino acids are the building blocks of plant proteins—and this formulation delivers them in a highly bioavailable form to support growth, recovery, and overall performance.

Particularly effective during periods of stress (such as heat, drought, or transplant shock), Amino-Mate enhances plant metabolism, strengthens internal structure, and improves the efficiency of other applied nutrients.

Key Benefits:

- Accelerates recovery from environmental stress
- Improves nutrient uptake and assimilation
- Promotes stronger growth and cellular function
- Supports yield quality and consistency
- Ideal for use alongside fertiliser or as a foliar boost

When to Use:

Apply during key growth stages, or in response to stress events, pruning, or environmental extremes. Suitable for all plants and crops, including sensitive or high-value varieties.



CONDITION

Unlock soil potential.

Condition is a concentrated liquid soil conditioner made from biologically rich compost and enhanced with humic and fulvic acids. These powerful organic compounds improve soil structure, boost water retention, and unlock nutrients already present in the soil—making them more available to plants.

Loaded with beneficial microbes, amino acids, and natural proteins, Condition helps activate soil biology, stimulate root development, and increase resilience to stress, pests, and disease. It's a natural way to restore tired soils, reduce dependence on synthetic inputs, and support higher yields.

Key Benefits:

- Enhances soil structure and moisture retention
- Improves nutrient availability and uptake
- Increases microbial activity for long-term fertility
- Helps reduce pest pressure and plant stress
- Supports strong yields without relying on synthetic fertilisers

When to Use:

Ideal for depleted, compacted, or nutrient-locked soils. Apply before planting or throughout the growing season to improve soil health and performance.



INVIGORATE

Natural growth stimulation.

Invigorate is a potent seaweed and kelp blend packed with natural growth stimulants that boost cell division, root activity, and overall plant vigour. Rich in amino acids, enzymes, and naturally occurring plant hormones like auxins and gibberellins, it supports healthier growth and recovery during all stages of development.

This nutrient-dense formulation enhances metabolic activity and improves resilience to stress, helping plants grow stronger, faster, and with greater uniformity—whether in soil or hydroponic systems.

Key Benefits:

- Stimulates cell division and new growth
- Increases root development and nutrient uptake
- Boosts plant metabolism and recovery from stress
- Enhances overall health, yield potential, and crop quality
- Safe and effective for all plants, year-round

When to Use:

Use regularly throughout the season to promote vigorous, balanced growth—especially after transplanting, pruning, or during periods of high stress.



STRENGTHEN your plants

With premium worm extract, help
seaweed and calcium, this formula
boosts growth and strengthens plants,
and improves plant size and quality.



1 LITRE

MAKES SOL



OUR WORMS WORK FOR YOUR SOIL

STRENGTHEN

For sturdier growth and better yields.

Strengthen is a high-performance blend of cold-processed seaweed extract, including *Ascophyllum nodosum* and *Laminaria*—enhanced with bioavailable calcium to support plant structure, stability, and productivity. This formulation is ideal for promoting vigorous growth, preventing calcium-related disorders, and helping plants withstand stress throughout their life cycle.

The added calcium fortifies plant cell walls, improving tissue strength, reducing blossom-end rot and tip burn, and ensuring healthier, more stable development—especially in fruiting and flowering crops. Meanwhile, natural compounds in the seaweed stimulate root growth, improve nutrient uptake, and support fruit set and quality.

Key Benefits:

- Strengthens plant cell walls to reduce deformation and boost resilience
- Enhances fruit quality, size, and flavour
- Promotes balanced pH and improved soil structure
- Supports vigorous growth and recovery from stress
- Suitable for all crops and growing systems

When to Use:

Apply during active growth, flowering, or fruiting to promote structure and support strong yields. Especially beneficial in calcium-deficient soils or when plants show signs of physical weakness or fruit disorders.



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NOURISH your plants

Designed for pre-flowering to bloom,
with premium worm extract to boost
growth and resilience.

1 LITRE | MAKES 50L



Made by
worms



Suitable for
all plants



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NOURISH

Nutrient-rich support from root to bloom.

Nourish is a premium all-purpose fertiliser formulated to deliver a complete blend of macro and micronutrients, along with living microbial support, for strong, consistent plant development. Ideal for use across the entire plant life cycle, Nourish is especially beneficial during early growth and pre-flowering stages—helping to establish healthy roots, sturdy stems, and vibrant foliage.

This formulation provides the essential building blocks plants need to thrive, while also enhancing resilience against stress caused by environmental changes, transplanting, or heavy fruiting. It works seamlessly alongside the full Microtek Organics range, amplifying the benefits of biological soil activity and improving nutrient uptake.

Key Benefits:

- Supports steady, balanced growth from seedling to harvest
- Critical during pre-flowering to prepare plants for high performance
- Enhances nutrient absorption and root development
- Increases plant tolerance to stress and environmental fluctuations
- Safe and effective for all plants, crops, and growing systems

When to Use:

Use Nourish throughout the growing season for consistent health, especially during vegetative and pre-flowering stages to lay the foundation for strong yields and vibrant blooms.



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BOOST your plants

Increases the microbial activity of your soil, with added nitrogen to drive plant growth and yield

5 LITRE | MAKES 250L



Made from an
organic base



Suitable for
all plants



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BOOST

Fuel early growth. Build fertile, active soil.

Boost is a balanced, biologically active fertiliser, combined with urea, formulated to support vigorous vegetative growth and improve soil performance from the ground up. Rich in nitrogen, Boost delivers essential nutrition while stimulating microbial activity and improving soil structure and water retention.

Designed specifically for the early stages of plant development, it lays the foundation for healthier crops, stronger root systems, and higher-yielding harvests. Boost is safe for use across all growing systems—from gardens to large-scale production.

Key Benefits:

- Supports strong vegetative growth and early-stage performance
- Enhances soil fertility and moisture retention
- Increases microbial activity and nutrient cycling
- Promotes healthier roots and canopy development
- Suitable for all plant types and growing systems

When to Use:

Apply during the vegetative stage or when plants require a growth push. Ideal for use after transplanting or during periods of rapid development.



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PROVIDING THE BEST

BALANCE your soil

Contains the essential elements for a
healthy and plentiful crop

5 LITRE | MAKES 250L



Plants from all
organic food



Soil health
all plants



OUR WORMS WORK FOR YOUR SOIL.

BALANCE

Essential nutrients. Reliable results.

Balance is a foundational NPK fertiliser that delivers the three core nutrients plants need for strong, healthy growth: nitrogen, phosphorus, and potassium. Formulated to promote vigorous development at every stage of the plant life cycle, Balance supports everything from leafy growth and root expansion to flowering, fruiting, and water regulation.

Nitrogen drives photosynthesis and is a key building block of amino acids and proteins. Phosphorus supports root development and nutrient movement within the plant. Potassium improves water use efficiency, strengthens cell function, and enhances stress resistance.

Whether used alone or as part of a broader feeding program, Balance helps ensure crops receive the right nutritional foundation for high performance.

Key Benefits:

- Promotes strong growth, root development, and flowering
- Improves nutrient use and energy transfer within the plant
- Enhances water regulation and stress tolerance
- Ideal for balanced feeding throughout all growth stages
- Suitable for all plants and growing systems

When to Use:

Use throughout the plant life cycle, especially when balanced nutrition is needed to support growth, flowering, or crop performance.





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Thank you for choosing to support healthier soils and more sustainable growing.

Every application helps regenerate the land, one crop, one garden, one grower at a time.

Alex Girke

Owner & CEO



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1300 293 825 | microtek-organics.com.au