



We turn food and
organic waste into
High Quality Compost





ABOUT WESTERN COMPOSTING TECHNOLOGY (WCT)

We are specialists in alternative waste treatment. Located north of Shepparton, WCT won the Greater Shepparton City Council (GSCC), Moira Shire, Benalla, Strathbogie and Wangaratta contracts to process kerbside green waste into a high-grade compost soil conditioner.

Our compost product GV COMPOST™ complies with Australian Standard AS4454-2003 under the highest requirement as a soil conditioner and is completely pasteurised ensuring it's free from harmful pathogens and weed seeds.

WCT Shepparton is Australia's first and only composting facility to achieve certification in Australian Standards AS/NZ 9001 for Quality, AS/NZ 14001 for Environmental Management and AS/NZ 4801 for OH&S Management, meaning our product will continually improve under controlled environmental conditions.

Western Composting Technology is a wholly owned company of Corio Waste Management Pty Ltd.

ABOUT OUR BIO-REACTOR COMPOSTING PROCESS

We process GV COMPOST™ under computer-controlled conditions using tunnel bio-reactor technology – a first-use technology for Victoria that is similar to more than 600 installations throughout Europe.

Our facility can process up to 20,000 tonnes of green waste and commercial waste each year, producing 15,000 cubic metres of high quality compost, which we on-sell into the market.



We weigh kerbside green waste and remove contaminants manually during the sorting process.



We have three tunnel bio-reactors at our Shepparton facility, each with a capacity of 350-400 cubic metres. The 25m-long concrete tunnels are serviced by a forced air system to maintain the oxygen level throughout the process. A process water system maintains correct moisture levels for efficient microbial activity.



Each day, we load sorted green waste feedstock into the vented tunnels using a front-wheel loader. To prevent odour escape we keep the tunnels under negative pressure.

Once filled, we secure the air tight loading door and let the computer-based control system automatically monitor and maintain optimum aerobic conditions and high pasteurisation temperatures. Our process takes around six weeks in total – five to ten days inside the tunnels plus three to four weeks outside – compared to a minimum 21-week processing time for other technologies such as open windrow or aerated static pile.

During the tunnel process, we assign each batch a unique identification number for quality control and traceability.

We screen the mature compost for consistent particle size prior to market.





GV COMPOST™ TICKS ALL THE BOXES

ENVIRONMENTALLY SOUND

During our composting process, slight negative pressure in the tunnel prevents emission of malodourous or volatile organic compounds. All air drawn from the process passes through a humidifier and biofilters before release into the atmosphere.

EARTHY SMELL

GV COMPOST™ is free from animal manures. Its pleasant, earthy smell tells you it's rich with plant nutritional benefits (once solely the domain of chemical fertilisers).

MORE ORGANIC MATTER

GV COMPOST™ contains organic matter levels well above Australian Standard minimums. Its structure improves soil aeration and decreases soil compaction to provide the ideal growing medium for high root growth and penetration, essential for fast-growing, healthy plants.

DYNAMIC WATER RETENTION

GV COMPOST™ has a high water holding capacity. Mix it with existing soils to boost moisture retention and extend watering intervals.

NO WEED SEEDS

High composting temperatures during processing destroy weed propagules, ensuring our compost is free from unwanted weeds.

HEAVY METALS

Heavy metals concentrations are well below Victorian EPA Guidelines limits for a compost for Grade A unrestricted use.

HOW TO USE GV COMPOST™

GV COMPOST™ is purpose-designed for incorporation into the existing soil and not recommended for top dressing.

SUGGESTED APPLICATION RATES

Up to 4 L/m² for salt sensitive plants to a depth of 5cm.

Up to 16 L/m² for salt tolerant plants to a depth of 5cm.

Note: When incorporating GV COMPOST™ to a depth of 10cm or more, you can double the application rate.

WHERE TO BUY GV COMPOST™

Our product is available in bulk form through a small network of suppliers. Check our website for your nearest supplier.

DISTRIBUTION

Our markets are varied and still being established including:

- > Landscaping
- > Vegetable crops
- > Viticulture
- > Broadacre
- > Turf
- > Export
- > Nursery





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