



## Carbon Positive Gardening Products

### Why are **CarbonGardening**<sup>®</sup> Products Carbon Positive?

There are three aspects to the **CarbonGardening**<sup>®</sup> products that cause them to be carbon positive.

#### 1. **Carbon Abatement from Avoided Landfill**

The environmental impact of burying waste in a landfill is very significant, particularly with regard to the greenhouse gas emissions released to the atmosphere as the waste degrades in the landfill. In Australia we bury huge amounts of organic materials.

Buried organic materials decompose anaerobically (without oxygen). Major bi-products of anaerobic decomposition are Nitrous Oxide (N<sub>2</sub>O), Methane (CH<sub>4</sub>) and Carbon Dioxide.

**CarbonGardening**<sup>®</sup> products are composted aerobically (with oxygen) which avoids the generation of Nitrous Oxide or Methane. The avoidance of the generation of these gases is a key factor in the carbon positive aspect of the **CarbonGardening**<sup>®</sup> range.

#### 2. **CarbonGardening**<sup>®</sup> and Carbon Sequestration

The manufacturing of **CarbonGardening**<sup>®</sup> products through an aerobic composting system has inherent greenhouse benefits. One of these is the biological stabilisation of organic carbon. Thus organic carbon in fresh organic matter such as green waste, is biologically converted to greenhouse stabilised organic carbon in the form of humus. This carbon is then sequestered in the soil when the compost is applied.

#### 3. **CarbonGardening**<sup>®</sup> Products and Avoided Fertiliser Use

The manufacturing of man-made fertilisers carries a significant greenhouse effect. One of the great benefits of the **CarbonGardening**<sup>®</sup> products is that they provide organic nutrients that reduce the need to apply fertilisers to your garden. This reduction in fertiliser use stops gardeners from importing into the garden the carbon footprint associated with that amount of fertiliser.

[www.carbongardening.com.au](http://www.carbongardening.com.au)