Soilsmart
Soil and Plant Management

OziVerm

Biologically Activated Soil Amendment

ORGANIC MATTER – BENEFICIAL SOIL ORGANISMS - NUTRIENTS

OziVerm is rich in humus and complex organic Carbon, and contains a natural balance of plant available and slow release nutrients. Its real strength however, lay in its ability to replenish the **enormous diversity of beneficial organisms**, (fungi, bacteria, protozoa and beneficial nematodes) which soils need to ensure optimum performance levels.

These beneficial soil organisms are largely responsible for the retention and cycling of nutrients within the soil, including their release to plants. By decomposing thatch and plant residues, soil microbes build increasing levels of **stable and complex Organic Carbon**, thus raising the soils' natural cation exchange capacity.

By improving soil structure, soil microbes also improve Oxygen levels in the root zone, reducing anaerobic conditions which favour pathogens, having a preventative effect on disease and insect infestation. The many millions of beneficial organisms contained in every gram of **OziVerm** build up protection and resistance to common root diseases and root feeding organisms.

OziVerm is produced by the natural digestive processes of worms (natures' recyclers) and is one of the best ways of building soil health and sustainable, long-term fertility to your most important resource – the soil.

Major Nutrients (as % of sample dry weight)

Nitrogen	Phosphorous	Potassium	Calcium	Magnesium	Sulphur	Copper	Iron	Zinc	Manganese	Sodium	Boron
1.81	**3.09**	**0.3**	**4.6**	**1.3**	**4.6**	**0.081**	**1.7**	**0.88**	**0.11**	**0.138**	**0.1**

General Analytes **Biological specifications**

EC (mS/cm)	pH (1:5) CaCl	Total Solids %	Active Bacteria (µg/g)	Total Bacteria (µg/g)	Active Fungi (µg/g)	Total Fungi (µg/g)	Hyphal Diameter (µm)	Flagellates (/g)	Amoebae (/g)	Ciliates (/g)	Beneficial Nematodes (/g)
1.04	**6.7**	**62.3**	**21.5**	**1714**	**3.19**	**58.8**	**2.5**	**9370**	**45151**	**0**	**14.6**

OziVerm can be applied at any time and can be spread using most commercial fertilizer spreaders.

Establishing new turf surfaces

Incorporate into the root zone mix at 3% - 5% by volume.

Renovating existing turf

Typical application rates (30 – 50 kg/100m^2); aim to incorporate the product into the top 100 – 150 mm of soil. Rub into large style core holes, or mix with top dressing media at 5% - 10% by volume prior to dusting.

General landscape use (trees, shrubs, garden areas, including natives)
Incorporate into the soil via core holes or lightly working into the soil around trees and plants at 300g/m^2.

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