



REGENERATIVE
LANDSCAPES
AUSTRALIA

SOIL & LANDSCAPE HEALTH

Effective January to December 2018 — REGENERATIVE LANDSCAPES AUSTRALIA

www.rlaustralia.com.au

A GUIDE FOR CLIENTS

This documentation outlines the basis upon which RLA is engaged in Soil & Landscape Health. It assists the client in understanding the process and administration of the Regenerative Services. It lays the foundation for further documentation, including the Management Agreement and the costs associated with our services.



SOIL & HEALTHY LANDSCAPES PROCESS

OUR UNIQUE APPROACH

Our unique service begins with our dedicated and organised approach of 6 core things which underpin a successful soil program. There is a high level of care and consistency in our delivery of soil and healthy landscape services which enables our gardens and land to flourish with abundance and health. We achieve enduring results in the landscapes because we have developed a system that builds on education of the soil and our relationship with our customers through regenerative approach to productive landscapes. The billions of microscopic bacteria, algae, fungi, protozoa, nematodes, earthworms, and beetles feed, digest and decompose the organic material and in turn release essential plant nutrients that are absorbed by the plants roots. All we need to do is help provide a home for the bugs.

Nick Huggins - Agent Of Change.



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SERVICES PROCESS



SOIL AND LANDSCAPE HEALTH



WHY IS SOIL SO IMPORTANT?

Many of us don't give it a second look, but without soil (note: we won't call it dirt) life on Earth simply would not exist. Consider this: 95% of our food is directly or indirectly dependent on soil. You wouldn't be eating very well without it! Healthy soil is responsible for the ripe fruit you eat at breakfast, the crisp lettuce used in your salad for lunch, and the chicken you prepare for dinner. Thank you, Soil!

Do you grow your own veggies? If yes, you know that they grow better and have fewer pests and diseases if they are grown in a soil that is rich in organic matter. Adding composted kitchen scraps, well-rotted manure or bags of purchased compost to the soil supports the beneficial biota living in soil. This improves soil tilth, texture, aeration, drainage, and nutritional content.



Our soil and landscape health program starts with education. How to look at soil and landscape through different eyes and see nature's pattern and work with her to develop regenerative systems for food production and highly functioning landscapes.

COMPOST



COMPOST SUPPLY?

RLA uses only Landtasia Organic Farms (LOF) compost from Mulloon in the NSW southern tablelands. LOF uses Food Organics and Garden Organics (FOGO) and commercial food waste to make a high quality humus rich compost suitable for use in organic food production.

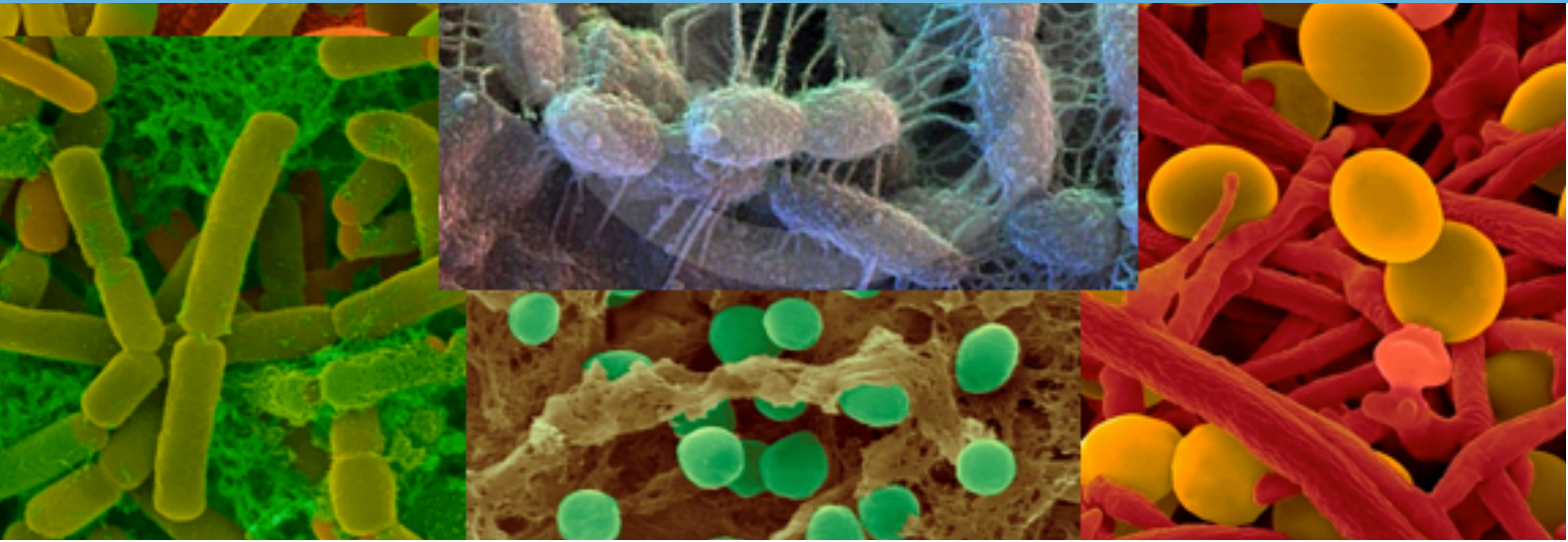
Food and garden waste from the Palerang Council City to Soil collection is bought to the licensed composting site located between Braidwood and Bungendore on the Kings Highway. Each delivery is carefully hand sorted to remove any contamination. This takes a little time, but participants are very good at keeping contaminants out of the City to Soil collection. Once the material is sorted it enters our composting process.

Commercial food waste is delivered to the facility and carefully blended with other materials to create the perfect balance for composting.

It takes approximately 6 months for the compost to reach maturity.

Each batch of compost undergoes rigorous testing to ensure that it meets the AS4454 Australian Compost Standard and complies with the NSW Compost Regulations. Once the compost has passed all the regulatory tests, it is ready for use. Its one of the best composts in the NSW south east.

SOIL & PLANT PROBIOTICS



WHAT IS A SOIL PROBIOTIC ?

A probiotic is a modern-day term that literally means for (pro) life (biotic). A probiotic is a food and not a medicine or therapeutic good. All natural or wild foods are probiotics in a diet because they meet the essential criteria of a probiotic, ie:

- The skin (or outer membrane) of the food (eg. apple) is coated with diverse and abundant micro-organisms (both beneficial and pathogenic) that are in balance with nature
- The microbes on the food are always attached to a water molecule (eg. mainly water vapour in the air). That is, a living probiotic provides the microbes in a liquid form
- The food diet is organic (not contaminated with modern-day chemicals), nutrient and mineral dense (ie. at least 70+minerals, including the trace minerals, such as iodine, selenium, boron, cobalt, zinc, etc.)
- The cells of the food are filled with negatively charged (mV) natural water
- When the probiotic is a food supplement then it is best provided as a fermented food or food composite (complete with beneficial microbes, minerals and other nutrients).

Early humans consumed a probiotic every day by eating wild or fermented foods. It was not until the advancement of agriculture that food was grown in unnatural conditions. This change in food production initiated the decline in availability of food with balanced populations of microbes and nutrient density. The human genome today is 99.9% the same as humans who walked bare-footed and ate wild foods about 10-20,000 years ago. The Soil Conditioner products are a living biological fertiliser compound in a liquid form for spray application to soils and plants. This bio-fertiliser comprises a balanced formulation of microbial inoculants, or groups of microorganisms that are able to fix atmospheric nitrogen, solubilise phosphorous, decompose organic material and oxidise sulphur in the soil.

The environment of micro-organisms includes competitive exclusion of pathogens, natural control of diseases and the production of a balanced ecology of microbes for cycling nutrients.

In our landscape services we spray soil and plant probiotic to balance soil and plant microbes. Enhance the food quality and nutrient density. Balance pest and disease resilience for a healthy landscape.

COMPOST TEA'S



WHAT IS A COMPOST TEA ?

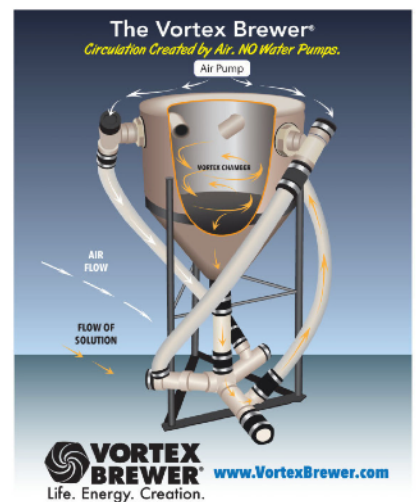
Not only does the Vortex Brewer® create living, organic compost tea, but it acts as an extractor, it will potentize fertiliser recipes, allow for perpetual brewing, and can stir BioEnergetic concoctions for anything from stimulating soil regeneration to concentrating pest or disease control applications.

All of this is done through respect for the abilities of water. Water is a magical substance that when used merely to dissolve substances as a delivery system loses its greatest ability to hydrate cells and facilitate the communication of subtle energies.

The Vortex Brewer® is designed and constructed with energising and enhancing the abilities of water in mind. Water is allowed a totally unimpeded flow in the Vortex Brewer®, no filters or water pumps are involved in the circulation. The unit operates entirely by an influx of air. The Vortex Brewer® actually creates its own dynamic vortex flow of water.

Compost tea is a liquid inoculum produced by leaching soluble nutrients and extracting bacteria, fungi, protozoa and nematodes from compost. The compost tea brewing process can be likened to brewing beer or wine and, like these same processes, requires care and the right tea-making equipment.

At RLA we brew compost tea to inoculate a highly beneficial group of bacteria and fungi, protozoa and possibly nematodes in the soil that money can buy. In making a high quality inoculum compost that has these organisms, and make Actively Aerated Compost Tea. "Compost tea" is a soil inoculum that helps to ensure that the needs of productive plants are met throughout their productive life.





Compost - Bio Fert and Compost Tea's

COMPOST APPLICATION			
PRODUCT	FREQUANCY	DELIVERY METHOD	COST
<i>Compost (Veggie Gardens)</i>	<i>Once a year</i>	<i>Bags 25lt</i>	<i>\$30 + GST</i>
<i>Garden application</i>	<i>Every 3 years</i>	<i>Per Cubic Metre</i>	<i>\$180 m3</i>
<i>Turf Grass application</i>	<i>Every 3 years</i>	<i>Per Cubic Metre</i>	<i>\$180 m3</i>

PHION SOIL & PLANT PROBIOTIC APPLICATION			
PRODUCT	FREQUANCY	DELIVERY METHOD	COST
<i>Veggie Gardens</i>	<i>Weekly</i>	<i>Spray Application</i>	<i>\$0.75 per Lt</i>
<i>Garden application</i>	<i>Spring & Autumn</i>	<i>Hose Application</i>	<i>\$0.75 per Lt</i>
<i>Turf Grass application</i>	<i>Spring & Autumn</i>	<i>Hose Application</i>	<i>\$0.75 per Lt</i>

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<i>Turf Grass application</i>	<i>Spring & Autumn</i>	<i>Hose Application</i>	<i>\$0.50 per Lt</i>
<i>Parks & Gardens</i>	<i>Every 3 Months</i>	<i>Hose Application</i>	<i>POA</i>
<i>Golf Courses & Sports Grounds</i>	<i>Every 3 Months</i>	<i>Hose Application</i>	<i>POA</i>

Extras are an additional cost, and are available at every visit. Our extras are administered on an as-needed basis, therefore we recommend our extra's as you need them and advise you of the cost at which point you decide if you wish to engage. Call us to discuss your options.