

# SOIL REVIVA®

**'Release on Demand' Fertiliser**  
Right nutrients at the right time



## Introduction

### **Soil Reviva – Combatting Leaching and Volatilization**

Leaching and volatilisation losses of NPK (Nitrogen and Phosphorus and Potassium), in conventional fertilisers are significant. Prior to germination and during the growth cycle, 50% – 80% losses are not uncommon depending on the conditions. Notwithstanding the economic costs, the environmental costs to air, water table and soil quality are also high.

The fertiliser industry acknowledges the issue of leaching and volatilization and has developed coating technology to produce a range of slow release fertilisers. The coating is generally a composted material or a polymer and delays the release of the fertiliser until the coating breaks down, usually by action of water in the soil.

Grow Green Technologies offers the next level of innovation: 'Release on Demand' fertilisers.

### **Why Soil Reviva works so well – 'Release on Demand' NPK (Nitrogen and Phosphorus and Potassium) Delivery System**

Most chemical fertilisers, even slow release fertilisers, simply saturate the root area of the plant with readily absorbable nutrients. The plant has very little choice and cannot help but take up these nutrients whether it needs

them or not, irrespective of the stage of its growth cycle. This is like a weight lifter on steroids – the body gets big but it can come with some serious and unwanted side effects – usually in the form of soft tissue that is prone to fungal and insect attack.

The nutrients in Soil Reviva are locked in the mineral structure until the plant requires them. This gradual release of fertiliser aligns more to plant requirements than conventional fertiliser applications.

The key to Soil Reviva is the balanced combination of NPK, secondary nutrients, trace elements and Grow Green's proprietary mix of pro-biotic microbes. Grow Green uses a patented process to encapsulate the nutrient/microbial mix in a mineral structure that prevents normal leaching and volatilization but allows the mycorrhizal microbes to carry out their natural function of working symbiotically with the plant roots to metabolize and deliver nutrients via the normal, natural plant processes. NPK not required by the plant at that time remains locked within the Soil Reviva structure.

Here the weight lifter eats the right foods – in the right quantities – at the right time, depending on the training or competition cycle. This is typically a slower process than the steroids but is likely to deliver a more sustainable outcome with no side effects.

## Details

### Product Benefits

- Release of readily absorbed nutrients to plant on demand
- Normal product leaching and volatilisation prevented
- Soil microbes allowed to function naturally to deliver nutrients to the plant
- Lower application rates reduce overall fertiliser costs.

### Soil Reviva

#### CONTENTS

Composted high carbon humates	Super fine gypsum
Soft rock phosphate	Diatomite (silica)
Acadian Kelp meal	Carbo-Aid (carbohydrate, cultures, seaweed & yeast)
Fish protein	Fish bone meal
Lime	Xtend oil
Super fine zeolite	Molasses
Ammonium sulphate	Trace elements
Potassium sulphate	

This product is available as a totally organic mix on request.

#### ANALYSIS (W/W)

Nitrogen (N)	4.0%
Calcium (Ca)	12.8%
Potassium (K)	3.8%
Sulphur (S)	1.6%
Plus complete range of trace elements: Zn, Mg, B, Mo, Mn, Cu, Fe, and Vitamins K 3.6 and cultures	

### Right type of Soil Reviva for your requirements

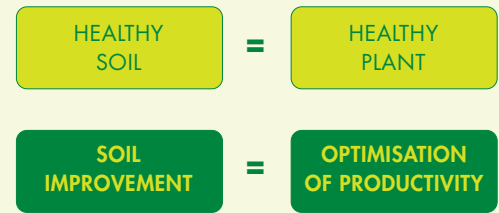
Depending on your requirements, we at Grow Green can supply either 'Soil Reviva' (which is virtually organic), or 'Soil Reviva Organic' (which is totally organic). Both of these products should perform beyond your expectations and deliver superior results to most comparable competitor products.

### Packaging

For organic and non-organic types of Soil Reviva:

- 25kg bags
- 1 tonne bulk bags.

### Key Consideration



### Application Details

Profert is suitable for use in a wide range of market sectors – some are listed here:

#### AGRICULTURE

Pasture / Dairy  
Sugar  
Broadacre  
Horticulture  
Viticulture

#### TURF

Golf Courses  
Bowling Greens  
Race Courses

For information about specific application rates, please refer to the relevant market sector brochures. All our brochures are available to download from our web site – alternatively, contact us on the number below.