

## SOIL HEALTH

# Soil Activator

Premium, easy to use formulation

### SOIL HEALTH

**Easy to use** formulation that contains multiple microbe food sources to feed beneficial microbes to boost numbers and activity - amino acids, vitamins, seaweed (kelp) extracts, fulvic acid and fish hydrolysate.

- Improves nutrient availability
- Feeds soil microbes
- Highly concentrated, contains kelp (seaweed extract), liquid fulvic (active carbon) and liquid amino acids.
- Contains active carbon
- Stimulates plant root growth

*Note - Microbial food contained in Soil Activator is designed to promote beneficial bacteria and fungi, the main nutrient recyclers of the soil; not plant pathogens that feed off living plants.*

### WHY ACTIVATE SOIL BIOLOGY

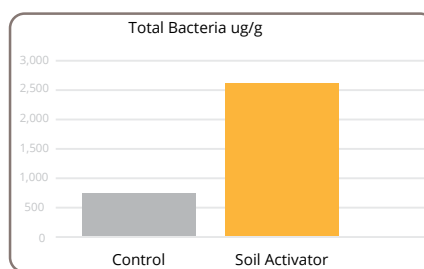
Scientific trials and soil surveys show that active soil microbes are a key component to healthy soils and important to ensure your soil performs. These beneficial fungi and bacteria improve nutrient availability and protect the crop from disease. (Janvier 2007; Ratnadass 2012) We also know that as beneficial microbial populations decline, disease increases. (Geense et al 2015; Creccchio 2004; Abawi 2000)

The components in Soil Activator have been proven to activate soil microbes by feeding them, balancing bacteria to fungi; to make a difference to your soil and crop. The main decomposition pathways in soil are either bacterial-based or fungal-based. Fungi and bacteria are the principle agents for the cycling of nutrients.

Plants have developed a symbiotic relationship with fungi and bacteria that is so vital to their survival that they expend 25-30% of their energy feeding soil fungi and bacteria. Declining fungi & bacteria biomass with intensive agriculture means plants are not getting the nutrients and protection they need from the soil.

"A cost-effective way to ensure your soil performs for you is by feeding fungi and bacteria to improve nutrient availability and protect the crop from disease."  
(Janvier 2007; Ratnadass 2012)

### RESULTS



Soil Activator effect on bacterial growth



13% yield increase using Soil Activator. Extra 600g of tomatoes per plant.



Macadamias thriving with Soil Activator.



Increase in trunk diameter in new apple orchard with soil health.

 Soil Health Calculator

For productive soils

Factors in:

- Your soil type - humus + microbial activity
- Your crop type
- What is practical for your system

# Soil Activator - activates soil microbes

Soil Activator can be used as a foliar spray or soil conditioner to feed soil microbes, improve root growth and provide a source of active carbon. Ultra filtered (to 100um) and 100% soluble with no oily fish; easy to use through sprays and drip irrigation.

## TYPICAL ANALYSIS:

Highly refined amino acids, seaweed extract & low molecular weight fulvic acids.

Nitrogen	2.0%
Phosphorus	0.34%
Potassium	0.3%
Calcium	0.4%

## DIRECTIONS FOR USE:

Add Soil Activator to spray and fertigation tank slowly.

Easy to use with soluble NPK fertilisers.

When blending with other compounds, mix Soil Activator separately and add to tank as last ingredient.

Always agitate drum contents before use.

## APPLICATION RATES:

Blend up to 1L Soil Activator with 20L water.

Can be used via foliar or irrigation.

Vegetables:

5-10L/ha every 7-14 days from emergence/  
transplant

Vines:

5-10L/ha monthly

Fruit & Nut Trees:

5-10L/ha monthly

Tropical Fruit:

5-10L/ha monthly

Broad-acre crops & pasture:

3-6L/ha 1-3 times during the season

## COMPATIBILITY

Mixes with most liquid fertilisers.  
(always test mix before use).

## PACK SIZES:

20L's and 1,000L's

## CLEAN UP PROCEDURE:

Use all mixture in spray and irrigation tanks; purge tanks and lines with clean water; flush irrigation lines. Do not return mix to original drums.

## STORAGE:

Store in original container away from direct sunlight.

## CAUTION:

Keep out of reach of children. Avoid contact with eyes. If swallowed seek medical advice if adverse symptoms arise.

