



Catalyst Soil Booster Concentrate

What it is

A fermented probiotic liquid containing a balanced formulation of beneficial microbes and minerals for optimum soil and plant health.

- Balances soil biology
- Improves soil fertility
- Unlocks soil's potential
- Improves yields
- Enhances natural resistance to pests and diseases
- Suitable for seeds, seedlings, pot plants, lawns, vegetables, gardens, trees, natives, ferns, hydroponics, crops and pastures
- Safe for pets
- Easy to apply

Ingredients

- Structured water using MEA Water ® Devices (www.meawater.com)
- Diverse and abundant range of beneficial microbe cultures
- 80+ essential minerals
- Fermented herb extracts
- Sulphates
- Phytonutrients and macronutrients

How to use

Dilute **Catalyst Soil Booster Concentrate** with good quality (structured) water at the rate of 1L Catalyst + 9L water = 10L ready-to-use product. Spray directly on soil and plants in cloud cover or in the morning or evening.

Further detail on following page.

Storage & handling

Store **Catalyst Soil Booster Concentrate** at room temperature and out of direct sunlight. Use within 18-24 months of opening.





How to use

Application	Procedure (soak, foliar &/or soil)	Frequency	Dilution Rate
Seed	Soak in Catalyst mixed with good quality (structured) water to activate nutrient release.	24-48 hours before sowing.	1:10 water
Seedlings	Soak seedlings in Catalyst mixed with good quality (structured) water.	Immediately before planting & water into soil.	1:10 water
Indoor & outdoor pot plants	Spray Catalyst with good quality (structured) water on pot soil.	Once per month & water into soil.	1:10 water
Lawns	Spray Catalyst with good quality (structured) water on grass.	1-2 months or more frequently during spring & autumn.	1:10 water
Vegetables	Spray Catalyst with good quality (structured) water on soil & plants.	1-2 months or more frequently during spring & autumn.	1:10 water
Garden beds	Spray Catalyst with good quality (structured) water on soil before planting & water into soil.	Prior to planting seedlings.	1:10 water
Plants and trees incl Australian natives & ferns	Spray Catalyst with good quality (structured) water on soil base of plants.	2-3 months or more frequently during spring & autumn.	1:10 water
Hydroponic	Add Catalyst direct to hydroponic water base.	1-2 weeks.	1:1,000 hydroponic water
Cropping	Spray Catalyst with good quality (structured) water on soil late in afternoon or evening, or during cloud cover.	During seed planting & on emergent leaves, or 2 weeks after leaf emergence. Spray stubble to increase soil carbon.	1:10 water

Cropping is dependent on prevailing conditions such as soil quality and climate. Site specific directions and advice can be obtained via info@phion.com.au or 02 4842 8182.





Phi'on products are designed to address the fundamental link between healthy soils, plants, water, animals and humans.



A balanced approach

This living biological fertiliser contains a balanced formulation of microbial inoculants that fix atmospheric nitrogen, make phosphorous soluble, decompose organic material, and oxidise sulphur in soils.

Beneficial microbes include bacteria, yeasts, and fungal species abundant in agricultural soils and critical in nutrient uptake and cycling. Macro-nutrients include nitrogen, calcium, phosphorous, potassium and more, as well as 80+ trace minerals, sea minerals, and compounds derived from humic acids, seaweed, colloidal rock dusts, carbonates, fermented herb extracts and molasses, which can all increase the uptake of mineral nutrients from the soil and enhance plant growth.

Healthier soil means healthier plants & food

Catalyst Soil Booster Concentrate significantly improves the phosphorous availability to plants growing in soil that has been previously fertilised with chemical additives.

The availability of phosphorous to plant roots is limited in acidic and alkaline soils, mainly due to the formation of sparingly soluble phosphate compounds with aluminium and iron in acidic soils, and calcium in alkaline soils.

Every year, farmers all over the world place large amounts of phosphorous fertiliser on soils for food, fibre and wood production, but only 10-20% can be absorbed by plants. The remainder is rapidly transformed into unavailable phosphorous forms unable to be readily absorbed by plant roots.

Catalyst Soil Booster Concentrate stimulates the plant root system and the enzymatic activity associated with either acid or alkaline phosphates, which increases the availability of soil nutritional phosphates for plant function.

How do other products compare?

Soil and plants need more than a seaweed solution, manure or powder. Beneficial microbes in a liquid form are more bioavailable and better support the symbiotic relationship between plants and microbes.

Seaweed solutions are a health tonic for your plants and don't include essential macronutrients in a strong enough concentration to sustain plant life.

Manure can include pharmaceutical compounds, weed seeds and harmful pathogens. Composition and release of nutrients is variable.

Powders and other growth tablets do not contain water or nutrients for microbes to survive.





Trials have demonstrated that **Catalyst Soil Booster Concentrate** significantly reduces the effects of salinity compared to other products due to its high diversity and abundance of microbes.

Catalyst Soil Booster Concentrate represents great value for money. Because it is a living biological product you do not need to use as much or use it as frequently as other products. Being natural, not synthetic, you will get much more than an instant green effect.

Equate Trace Mineral Enhancer

An intense mineral formulation that can be added to **Catalyst Soil Booster Concentrate** to unlock trace elements in soil that has been treated with chemicals.

Ingredients

- Boron
- Zinc
- Iron
- Copper
- Magnesium
- Manganese
- Calcium
- Sulphur
- ORMUS Gel (an elixir made from concentrated seawater)
- Other essential trace minerals and acids

How to use Equate Trace Mineral Enhancer

Add 100ml **Equate Trace Mineral Enhancer** to 1L **Catalyst Soil Booster Concentrate**. Dilute with good quality (structured) water at the rate of 1.1L Catalyst & Equate + 9L water = 10.1L ready-to-use product. Spray directly on soil and plants.

Why quality water matters

Catalyst Soil Booster Concentrate is made using MEA Water[®] Devices patented technology that restructures and revitalises urban water by entraining a permanent negative charge to replicate the state of water in nature. This unique, environmentally friendly approach results in enhanced activation of beneficial microbes leading to high-quality soil and plant health. To find out more, visit www.meawater.com.





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What our customers say

I've been using **Catalyst Soil Booster Concentrate** together with **Equate Trace Mineral Enhancer** with great results. The vegetables are so sweet and delicious. They're also easy and quick to cook even though they're so big! I can't praise these products enough.

- Ian Hill, Retired Farmer

At 'The Sustainable Gardener' we have been using **Catalyst Soil Booster Concentrate** and MEA Water® Devices for many years with great results. Our crews use water that's passed through this device to make Catalyst ready-to-use. It is used to soak plants in before planting and to water them in after planting. This stimulates microbial activity in the soil which enhances plant growth. The nutrient density of fruit and vegetables is also enhanced. We will keep using this approach and recommend it to our customers.

- Warren Aitken, Owner, The Sustainable Gardener

Motivated by a workshop at Phi'on in 2018, we have added **Catalyst Soil Booster Concentrate** and water that has passed through a MEA Water® Device to our biological farming approaches. In this time, we have experienced both drought and wet, yet our average yield in some trial areas has been upwards of 3 fold better. In a historically problematic paddock, yields have been the best we've ever had, wheat went to the top grade. We plan to use Catalyst a lot more.

- Ben Williams, NSW Cropping Farmer

Disclaimer

This product can achieve the outcomes described above when used in accordance with the prescribed directions and advice.

To learn more about the extensive Phi'on Product Collections and related scientific research, visit www.phion.com.au and www.meawater.com.

email info@phion.com.au or call our Office on 02 4842 8182.

4/05/2023

