

What is Smokewater?



HALS Smokewater is a 100% naturally sustainable concentrate, that when applied at suggested dilution rates has the ability to assist with overall plant and soil health. Smoke water is an extraction produced from the same high temperature pyrolysis process that is used to create biochar.

It can assist with

- Healthy plant growth
- Preventing diseases
- Repelling pests
- Soil microbial activity
- Seed germination
- Accelerating compost

Recharge your soil with HALS Biochar + SeaGreens
www.horticulturalsupplies.com.au



horticultural and landscape supplies

HELPING TASMANIANS GROW SINCE 1982

Horticultural and Landscape Supplies is a proudly Tasmanian owned company that specialises in the manufacture and distribution of quality certified horticultural products to meet our industry and customer needs.



AUSTRALIAN STANDARD
AS 3743 POTTING MIX - LIC SMK 1114
AS 4419 SOILS FOR LANDSCAPING & GARDEN USE - LIC SMK 1704
AS 4454 COMPOSTS, SOIL CONDITIONERS & MULCHES - LIC SMK 1707

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BIOCHAR

100% NATURALLY SUSTAINABLE
SOIL AMENDMENT



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What is Biochar?

Atmospheric & Soil Benefits

Why Biochar needs to be activated



Reduces N₂O soil emissions



Reduces methane soil emissions



Reduces offensive odours



Carbon Capture



Reduces nutrient run-off & Improves soil fertility & structure



Stimulates plant & fruit growth



Improves water retention



Increases soil carbon

“Biochar may represent the single most important initiative for humanity’s environmental future”

Prof. Tim Flannery 2007 Australian of the Year

“Biochars refer to the carbon-rich materials (charcoal) produced from the slow pyrolysis (heating in the absence of oxygen) of biomass. Recently, there has been much interest in biochars as soil amendments to improve and maintain soil fertility and to increase soil carbon sequestration. The capacity to sequester carbon in the soil can be attributed to the relative stable nature and, therefore, long turnover time of biochar in soil and is of particular relevance to the solution of climate change. While it is difficult to estimate how long newly created biochar will stay in the soil some suggest it could be for as long as five thousand years.”

<http://www.dpi.nsw.gov.au/content/research/topics/biochar>

BIOCHAR

100% NATURALLY SUSTAINABLE
SOIL AMENDMENT



“Biochar is not a fertiliser, but rather a nutrient carrier and a habitat for microorganisms. First of all, biochar needs to be charged to become biologically active in order to efficiently utilise its soil-enhancing properties.”

<http://www.ithaka-journal.net/wege-zu-terra-preta-aktivierung-von-biokohle?lang=en>

Both certified organic with ACO, SeaGreens Potting Mix and SeaGreens Compost are hugely popular due to the infusion of seaweed extracts sourced as waste material from local Tasmanian manufacturers. Together with mill waste from local sawmills, it is then naturally composted for up to 12 weeks in the foothills of Mt Dromedary, 30 minutes north of Hobart. This process produces the perfect blended mix to activate the HALS Biochar product range.

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