



BioChar

Activated Biochar

Long-term purpose-built yield enhancer



Jeffries BioChar is a purpose-built agricultural biochar that has been pre-loaded with important nutrition, fertility forming biology, and essential carbon humus compounds. It works quickly to improve soil/root system efficiency and forms ongoing productive soil aggregates that last for decades!



Increases long term soil fertility, growing efficiency, and improved cropping results



Mixes, bonds and buffers with hi-analysis fertiliser for maximum efficiency



Stimulates nutrient exchange with root systems



Naturally forms fertile soil aggregates



Encourages microbial capacity and activity



Increases moisture retention

Jeffries BioChar is made to deliver nature's most-effective soil fertility and long-term productivity outcomes. Jeffries BioChar has the chelating capacity to capture, store and then donate all types of fertilizer and organic mineralized nutrition to plant root systems.

A natural bio-charge and recharge system that bypasses adverse soil chemistry and provides a far better nutrient exchange with cropping root systems. Blending BioChar pellets with hi-analysis fertilisers maximises the ability for fertiliser to remain close, active and able to be utilised by cropping root systems.

Jeffries BioChar also provides the long-term home needed for yield productive microbes to contribute across the seasons. Jeffries BioChar has a labile humic carbon quality that quickly chelates, naturally forms fertile soil aggregates and stays where it's placed to keep working as a carbon latticework of moisture storage, microbial capacity, and productive structure for many years to come.



JEFFRIES BIOCHAR IS THE BIO-PRODUCTIVE CARBON

Soil Mediator

enables all crops to cope better, buffering, and progressively modifying the extremes of soil physical, chemical, and biological circumstances, allowing the soil to provide a more balanced and crop capable setting.

Soil Facilitator

opening up the interactive pathways to improvement, accumulating positive outcomes through an active and long-term soil fertility aggregate mode of action. Connected to every life-determining process to make it happen as nature intended.

Soil Enhancer

making an immediate difference to its surroundings, but also enables compacted, anerobic,

salt-affected or pathogenic and unbalanced soils to progressively correct.

Soil Protector

preventing a collapse in exchangeable ion capacity, physical structure, or yield-affecting fertility, but also providing the perfectly designed long-term home for growing the useful 'life' of the soil.

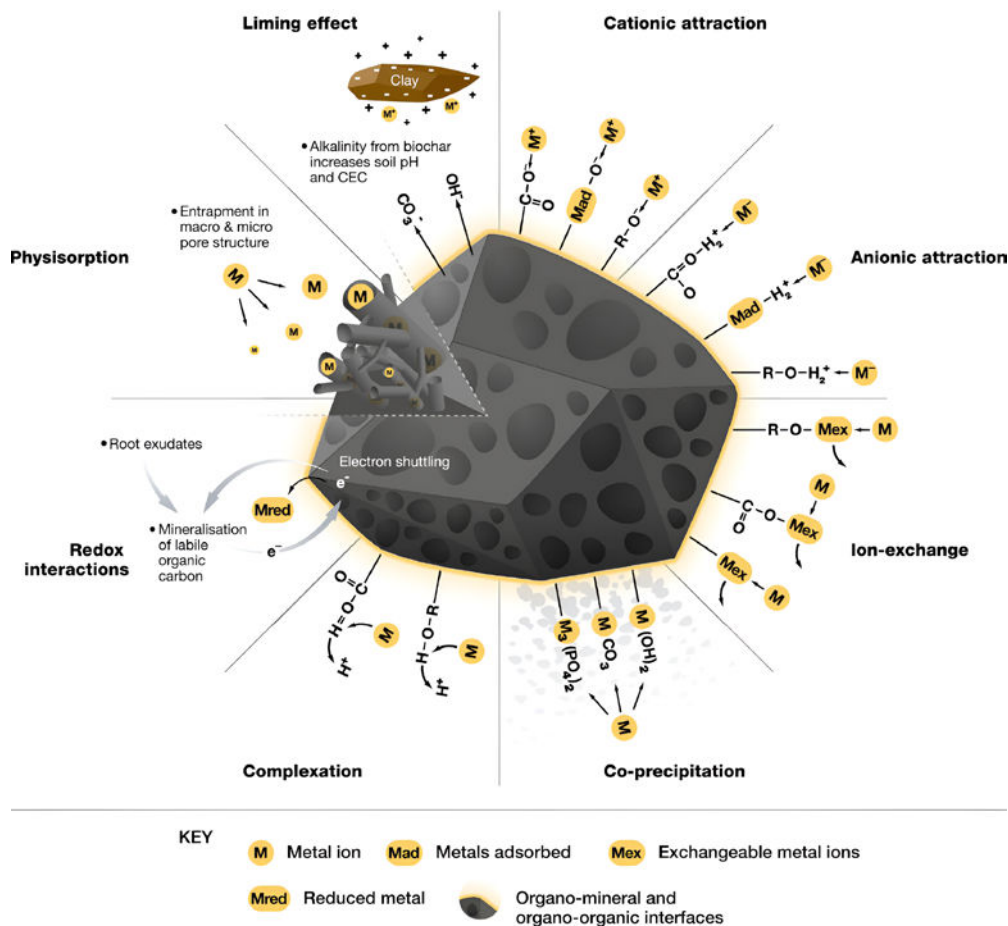
Soil Builder

decades long capacity to continually accumulate yield protecting robust capacity and a much greater resistance to cropping and climate stresses. A continuous cycle of improvement that entrenches its gains in preserving a naturally better health.

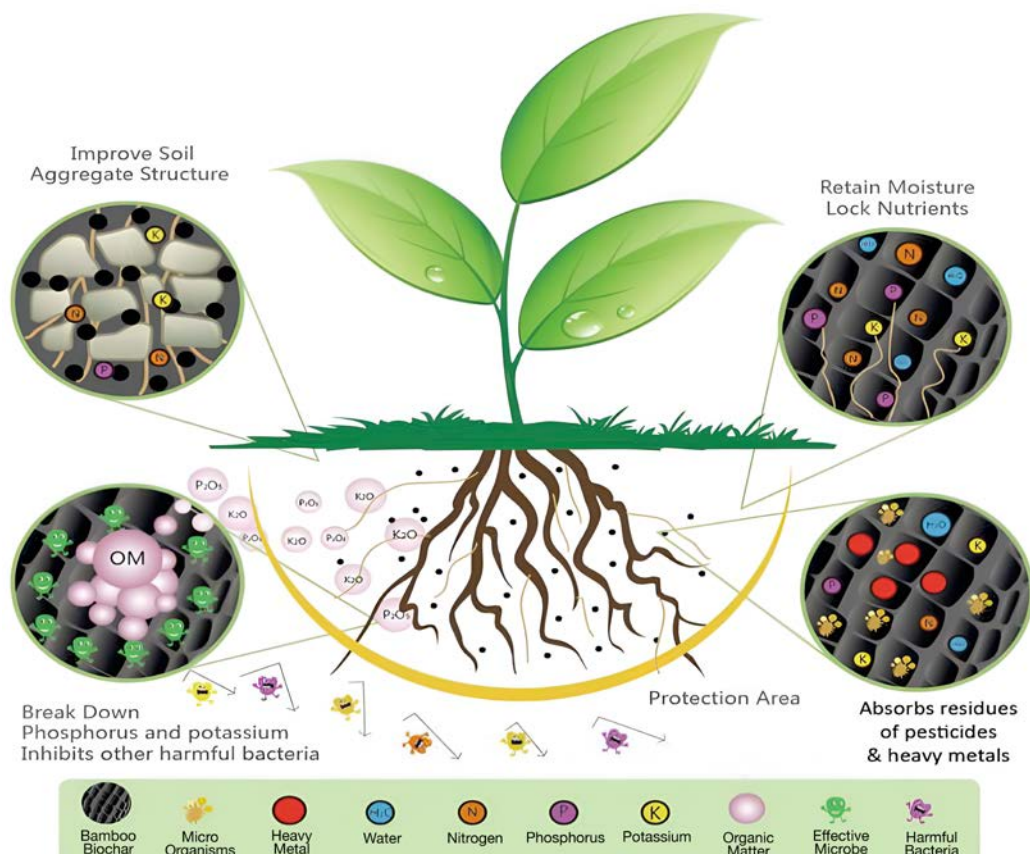
HIGHLY EFFECTIVE IN CASES OF

- Low organic matter, especially soil organic carbon
- Low cation exchange capacity
- Low earthworm or beneficial microbial activity
- Non-wetting sands/loams or in cases of extreme soil ph
- High exchangeable hydrogen or heavy metals affected
- Compacted, anaerobic or salt affected soils

FEATURES OF BIOCHAR



Joseph, S. and Cowie, A.L. (27 July 2021) How BioChar works, and when it doesn't: A review of mechanisms controlling soil and plant responses to BioChar



APPLICATION RATES – KILOGRAMS PER HECTARE

Subject to soil test, soil type or for use in a soil remediation or combined amendments program. Suitable for various mechanical and belt-spreaders, blended with fertilizers or mineral amendments. Suitable for use in most air-seeders.

VITICULTURE	HORTICULTURE	PASTURE	PIVOT	BROADACRE
Dryland	Open Field	Dryland	Onion/Potato	Cereals
100-200kg directly under canopy 300-400kg with interrow as well	1kg per 8-10m ² 800-1,000kg per ha	200-300kg	1,500-2,000kg	50-100kg
Irrigated	Greenhouse	Irrigated	Pasture/Hay	Canola/Legumes
150-250kg directly under canopy	1kg per 2.5-3.5m ² 3-4,000kg per ha	300-500kg	300-500kg	150-250kg

When blending Jeffries BioChar pellets with hi-analysis fertiliser, apply at least 1/3 of Jeffries BioChar pellets to the hi-analysis fertiliser. For example, in place of 60kg of hi-analysis fertiliser, apply 40kg of hi-analysis fertiliser with 20kg of Jeffries BioChar pellets.

CONTACT US TO LEARN MORE



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Proudly made from recycled organics

