



PRODUCT

Technical Name Biochar
 Comercial Name Ecochar
 Website <https://ecochar.pt>

MANUFACTURER

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PRODUCT DESCRIPTION

ECOCHAR is a solid, eco-friendly and stable product, clean of any toxic impurities. It's an excellent soil amendment and structure improver because it has the following properties:

- Increases crop yields from +20 to 200%;
- Has a powerful water and nutrient retention effect $\geq 30\%$;
- Increases soil PH up to 1 value;
- Increases the presence and number of mycorrhiza +40%;
- Favours the cation exchange capacity, increasing the power of the soil to storage nutrients;
- Has a huge capacity to contain nutrient leaching;
- Increases responsiveness of plants to diseases;
- Promotes soil descontamination (ex^o heavy metals);
- Increases the environmental quality by reducing the CO₂ in the atmosphere;
- For each 1Kg of ECOCHAR applied to the soil, it retains 3,5Kg de CO₂ from the atmosphere;
- High durability ≥ 100 anos.

ECOCHAR is an ecological product, beneficial to the soil, with a potential for application in various sectors, such as agriculture, forestry, gardens, forests.

APPLICATION DOSES

It's recommended a minimum application of 10L(dm³)/m² and per area occupied by the plant, in some cases 20L(dm³)/m², depending on the analysis of the state of the land. Doses must be increased if the soil is poor in carbon and organic matter.

PHYSICAL PROPERTIES

Appearance Biochar grains / Black powder
 Bulk density 350/400 kg/m³ (EN 1860-2)
 Primary component Biochar
 Granulometry ≤ 10 mm (EN 1860-2)

CHEMICAL PROPERTIES

Fixed carbon $\geq 90\%$ (EN 1860-2)
 Ashes $\leq 7\%$ (EN 1860-2)
 pH 9
 Moisture $\leq 30\%$ (EN 1860-2)
 Volatile matter $\leq 3\%$ (EN 1860-2)

PACKAGING

10L and 30L bags and 1m³ Big Bag (EN 1860-2)

STORAGE

Storage in a cool and ventilated place.

