



# TECHNICAL SHEET



## PRODUCT

Technical Name Mixture of biochar with substrate (humus).  
Soil amendment  
Comercial Name ECOCHAR Enriquecido  
Website <https://ecochar.pt>

## MANUFACTURER

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## PRODUCT DESCRIPTION

ECOCHAR enriched with organic matter is a solid, eco-friendly and stable product, free of toxic impurities. This product is composed of 50% humus based on forest residues, with a predominance of pine bark and selected blonde peat and 50% biochar (biochar granules). ECOCHAR enriquecido is an excellent soil conditioning corrective as it has the following properties:

- Improves production 20 to 200%;
- Improves soil's ability to retain water  $\geq 30\%$ ;
- Modifies soil pH;
- Improves soil microbiology;
- Favours the cation exchange capacity, increasing the power of the soil to store nutrients;
- Reduction of soil aluminium toxicity (heavy metals);
- Improves soil carbon levels;
- Improves the efficiency in the use of nitrogen fertilisers;
- Reduction of greenhouse gas emissions from the soil.

## APLICACION DOSES

It is recommended to apply a minimum of 20 L(dm<sup>3</sup>)/m<sup>2</sup>, in some cases 30 L(dm<sup>3</sup>)/m<sup>2</sup>, depending on the analysis of the state of the terrain. The doses should be increased if the soil is low in carbon and organic matter. For application by plant or pot, adapt the same application rate to the cavity area.

## PHYSICAL AND CHEMICAL PROPERTIES

pH	8	Fixed carbon	45-50%
Conductivity	130 $\mu\text{S} / \text{cm}$	Total nitrogen (N)	0,64%
Bulk density	400 kg/m <sup>3</sup>	Phosphorus (P <sub>2</sub> O <sub>5</sub> )	0,14%
Granulometry	$\leq 10\text{mm}$	Potassium (K <sub>2</sub> O)	0,07%
Moisture	40-50%		

## PACKING

10L or 30L bag, 1m<sup>3</sup> Big Bag and 4m<sup>3</sup> Big Bale (EN 12580)

## STORAGE

Storage in a cool and ventilated place.

FT.07/E



Company certifications: