

Xylitol

Xylitol production from sugarcane bagasse

Photo: Patrícia Barbosa



Embrapa
Agroenergy



Xylitol production from sugarcane bagasse

Raw material

Sugarcane bagasse

Process

Heterogeneous catalysis

End product

Xylitol

Xylitol production process from xylose obtained from the hemicellulosic fraction of sugarcane bagasse hydrolysate.

Applications

- + Food industry.
- + Pharmaceutical industry.

Advantages

- + Use of renewable and low cost raw material.
- + Conversion of a residue (sugarcane bagasse or other agro-industrial residues) into a molecule with high added value and a well-established market.
- + Adding value to the sugarcane chain, with the use of bagasse in biorefineries.
- + Higher yield of end product when compared to similar processes.

Stage ► TRL/MRL 4 - Lab scale

Take this
technology
to another
stage



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with us
for other
potential
uses



Make this
technology
the basis
of your
incubated
company

Person in charge: **SÍLVIO VAZ JÚNIOR**

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