

Sugarcane

Sugarcane variety with higher cell wall digestibility

Photo: Nelson Oliveira



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Raw material

Process

End product

Sugarcane

Genetic modification

Variety with higher cell wall digestibility

Genetically modified sugarcane with increased cell wall digestibility. The technology aims to improve plant biomass for production of cellulosic ethanol (2G), animal feed, and high value-added chemical compounds.

Applications

- + Production of 1st and 2nd generation ethanol.
- + Animal feed production.
- + Production of high value-added chemical compounds.

Advantages

- + Increased efficiency in bioethanol production.
- + More adequate variety for industrial processing.
- + Bagasse with higher digestibility for use in animal feed.
- + Adding value to the sugarcane production chain.

Stage ► TRL/MRL 5

Take this technology to another stage



Research with us for other potential uses



Make this technology the basis of your incubated company

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TC289