

Sugarcane varieties

VISACANE QUARANTINE SYSTEM



- Reduction of operating costs through outsourcing



- Improvement of varieties and operations



- Guarantee of sanitary quality



The approach

Visacane is CIRAD's sugarcane quarantine facility and supplies healthy sugarcane varieties worldwide, for the sugar industry and for varietal creation centers. Located at CIRAD in Montpellier, outside of any sugarcane production area, it is part of a joint research unit on plant pathology.

Our assets

- ▶ A worldwide presence via a team of experts;
- ▶ A special approval to import and reship sugarcane varieties (cuttings), under the control of the Regional Food Service (Ministry of Agriculture and Food, France)
- ▶ 2 greenhouses under high surveillance for the observation and multiplication of cuttings;
- ▶ 2000 diagnostic tests performed each year;
- ▶ 2 dedicated catalogs for imported cuttings updated annually:
 - Varieties free of rights for experimental use;
 - Elite varieties subject to royalties.

Our solutions to:

VALUE varietal creation

SECURE the supply of sugarcane varieties

TRANSFER healthy varieties in compliance with international regulations

BENEFIT from state-of-the-art techniques for phytosanitary control

DETECT sugarcane pathogens and ensure monitoring during growth





eRcane
www.ercane.re

PROMOTING ACCESS TO INTERNATIONAL MARKETS FOR SUGARCANE VARIETIES DEVELOPED IN REUNION ISLAND

The eRcane research center is a major player in the sugarcane industry in Reunion Island. Its mission: the optimal development of this resource, from plant breeding to green chemistry.

► The challenge.

In order to create new eRcane-labeled varieties for other sugarcane-producing countries, it was crucial to address the risk of contamination by bacteria and viruses during transfers between countries.

► The idea.

Outsource a sugarcane cutting quarantine service, according to a secured and accredited protocol for international exchanges via Visacane.

RESULTS

- Increase in the number of eRcane varieties distributed.
- Expansion of the market to a dozen countries.
- Exchange of varieties with 15 countries.

The Support

- Receipt of eRcane varieties as cuttings at the Visacane quarantine site.
- Sanitation of cuttings (bacteria and viruses) and regular observation during growth.
- Integration of the sanitized cuttings in the catalog.
- Proposal of new cuttings to partners.
- Sending the cuttings to eRcane's customers.

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SUPPORT FOR THE STUDY OF SUGARCANE VARIETIES

► The challenge.

What agronomic techniques and sugarcane varieties are suitable for cultivation in the Mediterranean environment?

► The idea.

To have access to a wide range of sugarcane cuttings varieties and to define an optimal protocol for conducting trials and plant cultivation.

The Support

- Signature of an inter-institutional MoU (Memorandum of Understanding).
- Provision of cuttings of different varieties for experimental use.

- Sharing CIRAD's knowledge in sugarcane cultivation.
- Support from CIRAD for the management of cuttings (planting, harvesting, etc.).
- Exchanges and work on diseases.

RESULTS

- Free access to more than 15 sugarcane varieties.
- Success of the first plantation in an experimental field.
- Emergence of new scientific data in favor of research progress (in particular regarding diseases).

