

Guadeloupe dossier summary

Water, climate and crops. The essentials of the 15-page dossier.

Key figures

Figure	What it means
383,569	Inhabitants on 1 January 2022 (INSEE).
31,770 ha	Of agricultural area in 2020, for 7,227 farms (agricultural census).
4,000 ha	Irrigated in 2020, or 13% of the agricultural area (ministry of ecological transition).
12.2 Mm³	Of irrigation water declared in 2023, or 11.8% of declared withdrawals.
12,430 ha	Of sugar cane, and 2,100 ha of banana: The two export crops.
1.22 Mm³	Of irrigation water saved a year in the central scenario, enough to irrigate about 400 more ha.

M = million · Mm³ = million cubic metres · ha = hectares. The water savings are scenarios; no trial has yet been conducted in Guadeloupe.

Our products

Green Solutions develops products for water, fertilisation and crop protection. Four families are of interest to this dossier.

Product	Claimed use	Published evidence (level)
EVERGREEN® (water-retention polymer)	Holds rain or irrigation water as a gel, near the roots.	Trials on maize, potato, watermelon, date palm and soybean. Level B to C.
ECOSORB® (water-retention polymer based on corn starch)	Same use; lasting 2 to 3 years according to the website.	Soybean trial (China); laboratory acrylamide analysis. Level B to C.
ECOFERT® (fertiliser)	Fertiliser certified by SOHISCERT and EU Bio, usable in organic farming.	Published certificate; potato trial with EVERGREEN®. Levels A and C.
Paulownia ALTIFOLIA®	Fast-growing tree for agroforestry.	Website figures; no trial in Guadeloupe. Level C.

Key points

- **Drinking water dominates.** It represents 85% of declared withdrawals; irrigation, 11.8%.
- **Very uneven rainfall.** 1,296 mm a year at Saint-François, but 731 mm at Sainte-Rose.
- **An honest scenario.** No trial exists in a humid tropical climate: The calculation is limited to water, with the generic assumption of 5, 10 and 20%, with no yield gain.
- **Importing into Guadeloupe.** French and European law apply: ANSES authorisation or CE marking (regulation 2019/1009), 8.5% VAT, octroi de mer to be checked product by product; the customs rate for subheading 3906.90 was not confirmed.

Irrigated crops and water

Crop group	Census area (ha)	Share of irrigation water
Banana	2,100	40.5%
Fresh vegetables	1,260	24.3%
Other fruit crops	1,170	22.6%
Tubers	650	12.5%

The zones at a glance

Zone (municipality)	Rainfall (mm/yr)	ET0 (mm/yr)	Temperature (°C)
Southern Grande-Terre (Pointe-à-Pitre)	1,046	1,645	26.2
Eastern Grande-Terre (Saint-François)	1,296	1,713	26.2
Eastern Basse-Terre (banana) (Capesterre-Belle-Eau)	1,187	1,652	26.3
Northern Basse-Terre (sugar cane) (Sainte-Rose)	731	1,729	26.5
Marie-Galante (Grand-Bourg)	1,167	1,670	26.1

Water saved by scenario

Scenario	Water (Mm³/yr)	Extra hectares
Cautious	0.61	200
Central	1.22	400
High	2.44	800

How to read the figures

Each figure refers to a source with a confidence level. A: Official statistics or public database (INSEE, Ministry of Agriculture, French Biodiversity Agency, FAO, customs). B: Research institute, laboratory or recognised climate model. C: Manufacturer statement, website, press or estimate. The sources are listed in Annex A of the dossier.

Full dossier: 15 pages, with the sources (Annex A) and the calculation method (Annex B). Green Solutions · contact@green-solutions-group.com · green-solutions-group.com