

Côte d'Ivoire dossier summary

Water, climate, fertilisers and crops. The essentials of the 26-page dossier.

Key figures

Figure	What it means
+2,192 t	Of extra maize per 10,000 ha treated, central scenario (1,096 to 4,384 t depending on the scenario).
3,814,984 ha	Of cocoa beans harvested in 2024, the main crop (FAOSTAT).
72,750 ha	Equipped for irrigation, out of 13,468,410 ha of cropland (FAOSTAT).
75.5 Mm³	Irrigation water saved per year in the central scenario, enough to irrigate about 9,150 more ha.
57,300 t	Mineral nitrogen used in 2024, all imported.
12,372 M$	Of agricultural exports in 2024, for $2,651 million of imports (FAOSTAT).

M = million · Mm³ = million cubic metres · t = tonnes. The gains are scenarios built from the trials cited; no trial has yet been conducted in Côte d'Ivoire.

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 Côte d'Ivoire. Level C.

Key points

- **Predominantly rainfed farming.** 72,750 ha equipped for irrigation, or 0.5% of cropland: The main challenge is to retain water from each rainfall event near the roots.
- **Where water is scarcest.** National water stress is 5.1%; Korhogo gets 1,058 mm of rain for 1,761 mm of evapotranspiration.

- **Rainfed crops quantified.** For maize, a published trial makes it possible to quantify a yield gain.
- **In irrigation.** The "rice" group gives 66% of the water saved (generic assumption, no trial on rice).
- **Importing into Côte d'Ivoire.** 5% customs duty (ECOWAS tariff), 2.5% of levies in total, 18% VAT; fertiliser registration under Regulation C/REG.13/12/12.

The regions at a glance

Region (city)	Rainfall (mm/yr)	Deficit (mm/yr)	Temperature (°C)
Savanes (Korhogo)	1,058	703	26.6
Denguélé (Odienné)	1,337	367	26.2
Zanzan (Bondoukou)	1,096	381	25.7
Woroba (Séguéla)	1,395	136	26.0
Vallée du Bandama (Bouaké)	1,301	145	25.8
Montagnes (Man)	1,511	-137	25.3
Lacs (Dimbokro)	929	437	26.5
Yamoussoukro (autonomous district) (Yamoussoukro)	1,051	322	26.0
Sassandra-Marahoué (Daloa)	1,164	189	25.5
Comoé (Abengourou)	993	328	25.9
Gôh-Djiboua (Gagnoa)	1,152	110	25.2
Lagunes (Dabou)	1,890	-585	25.9
Bas-Sassandra (San-Pédro)	1,388	-105	25.7
Abidjan (autonomous district) (Abidjan)	1,851	-561	25.6

How to read the figures

Each figure refers to a source with a confidence level. A: Official statistics or international database (World Bank, FAO, ECOWAS, WAEMU, Ivorian administration). B: Research institute, laboratory or public body outside statistics. C: Manufacturer statement, website, press or estimate. The sources are listed in Annex A of the dossier.

Extra production per 10,000 ha treated

Crop	Average yield (t/ha)	Cautious (t)	Central (t)	High (t)
Maize	2.56	1,096	2,192	4,384

Trade

- **Main products exported.** Cocoa beans, natural rubber in other forms and cocoa paste not defatted, out of $12,372 million of agricultural exports in 2024.
- **Main imports.** Wheat, unmanufactured tobacco and soya bean cake; rice imports amount to $1,005 million, out of $2,651 million of agricultural imports.

Full dossier: 26 pages, with the sources (Annex A) and the calculation method (Annex B). Green Solutions · contact@green-solutions-group.com · green-solutions-group.com