

Mauritania dossier summary

Water, climate, fertilisers and crops. The essentials of the 25-page dossier.

Key figures

Figure	What it means
+550 t	Of extra maize per 10,000 ha treated, central scenario (275 to 1,099 t depending on the scenario).
240,000 ha	Of sorghum harvested in 2024, the main crop (FAOSTAT).
45,010 ha	Equipped for irrigation, out of 460,000 ha of cropland (FAOSTAT).
170.3 Mm³	Irrigation water saved per year in the central scenario, enough to irrigate about 6,275 more ha.
1,867 t	Mineral nitrogen used in 2024, all imported.
42 M$	Of agricultural exports in 2024, for $1,148 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 Mauritania.

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 Mauritania. Level C.

Key points

- **Irrigation, a pillar of production.** 45,010 ha equipped for irrigation, or 9.8% of cropland: Every cubic metre saved frees water for other plots.
- **Where water is scarcest.** National water stress is 13.2%; Akjoujt gets 104 mm of rain for 3,170 mm of evapotranspiration.

- **Rainfed crops quantified.** For maize, a published trial makes it possible to quantify a yield gain.
- **In irrigation.** The "irrigated rice" group gives 61% of the water saved (generic assumption, no trial).
- **Importing into Mauritania.** Customs duty of 5% for subheading 3906.90 (applied MFN tariff, 2023); 16% standard VAT; registration of crop protection products by the Ministry of Agriculture (Law 2000-042), fertiliser regime to be confirmed.

The regions at a glance

Region (city)	Rainfall (mm/yr)	Deficit (mm/yr)	Temperature (°C)
Trarza (Rosso)	307	2,466	27.8
Gorgol (Kaédi)	353	2,555	29.3
Brakna (Aleg)	242	2,776	29.1
Guidimakha (Sélibaby)	635	2,075	29.1
Assaba (Kiffa)	340	2,582	28.9
Hodh el Gharbi (Ayoun el Atrous)	333	2,549	28.6
Hodh ech Chargui (Néma)	317	2,696	29.2
Tagant (Tidjikja)	159	2,767	26.9
Adrar (Atar)	162	2,955	27.3
Inchiri (Akjoujt)	104	3,066	28.3
Nouakchott (Nouakchott)	142	1,719	23.4
Dakhlet Nouadhibou (Nouadhibou)	40	1,939	22.3
Tiris Zemmour (Zouérate)	54	2,828	25.2

How to read the figures

Each figure refers to a source with a confidence level. A: Official statistics or international database (World Bank, FAO, Mauritanian public bodies (Ministry of Agriculture, SONADER, National Statistics Office) and the OMVS). 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	0.64	275	550	1,099

Trade

- **Main products exported.** Sheep, cotton lint, ginned and watermelons, out of $42 million of agricultural exports in 2024.
- **Main imports.** Refined sugar, wheat and palm oil, out of $1,148 million of agricultural imports.

Full dossier: 25 pages, with the sources (Annex A) and the calculation method (Annex B). Green Solutions · contact@green-solutions-group.com · green-solutions-group.com