

Algeria dossier summary

Water, climate, fertilisers and crops. The essentials of the 24-page dossier.

Key figures

Figure	What it means
1,800,000 ha	Of wheat harvested in 2024, the main crop (FAOSTAT).
1,365,000 ha	Equipped for irrigation, out of 8,513,200 ha of cropland (FAOSTAT).
1,472.4 Mm³	Irrigation water saved per year in the central scenario, enough to irrigate about 289,607 more ha.
70,200 t	Mineral nitrogen used in 2024, partly produced locally.
213 M$	Of agricultural exports in 2024, for $11,514 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 Algeria.

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 Algeria. Level C.

Key points

- **Irrigation, a pillar of production.** 1,365,000 ha equipped for irrigation, or 16.0% of cropland: Every cubic metre saved frees water for other plots.
- **Where water is scarcest.** National water stress is 144.8%; Adrar gets 16 mm of rain for 2,889 mm of evapotranspiration.

- **In irrigation.** The "vegetables and melons" group gives 40% of the water saved (watermelon, Mexico (2023)).
- **Importing into Algeria.** 5% customs duty, 19% VAT, 3% solidarity tax and 2% PRCT; registration by the plant protection authority of the Ministry of Agriculture.

The regions at a glance

Region (city)	Rainfall (mm/yr)	Deficit (mm/yr)	Temperature (°C)
Algiers (Alger)	580	771	18.0
Oran (Oran)	340	1,015	18.2
Tlemcen (Tlemcen)	455	876	15.5
Constantine (Constantine)	451	836	15.7
Annaba (Annaba)	588	665	18.1
Sétif (Sétif)	523	733	13.6
Djelfa (Djelfa)	296	1,225	15.0
Biskra (Biskra)	120	1,830	21.3
El Oued (El Oued)	61	2,108	21.4
Ouargla (Ouargla)	38	2,314	22.8
Adrar (Adrar)	16	2,873	25.7
Tamanrasset (Tamanrasset)	24	2,567	22.3

How to read the figures

Each figure refers to a source with a confidence level. A: Official statistics or international database (World Bank, FAO, Algerian Customs, Ministry of Agriculture, Algerian 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.

Water saved by scenario

Scenario	Water (Mm³/yr)	Extra hectares
Cautious	736.2	144,803
Central	1,472.4	289,607
High	2,944.8	579,214

Trade

- **Main products exported.** Dates, wheat and meslin flour and refined sugar, out of $213 million of agricultural exports in 2024.
- **Main imports.** Wheat, raw sugar and maize (corn), out of $11,514 million of agricultural imports.

Full dossier: 24 pages, with the sources (Annex A) and the calculation method (Annex B). Green Solutions · contact@green-solutions-group.com · green-solutions-group.com