LEMON INDUSTRY IN SPAIN
PREPAREDNESS TO CLIMATE CHANGE

RESILIENT USE OF WATER IN THE SEGURA RIVER BASIN

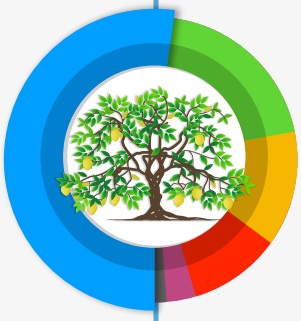
WHERE DOES THE WATER COME FROM?

SOURCES OF WATER IN THE SEGURA RIVER BASIN

Segura river and groundwater 51%
Rain water 370 mm/year.
Reduction by 5% in 2033

Water transfers 21%
222 hm3/year for irrigation

Desalination 13%
160 hm3/year
(197 hm3/year in 2025)



Treated wastewater 10%
99.2% of wastewater is treated
(78% for agriculture use.
70 hm3/year)

Irrigation returns (drainages) 4%

Others 1%

WATER NEEDS IN LEMON CULTIVATION

197 hm³/year — Segura River Basin

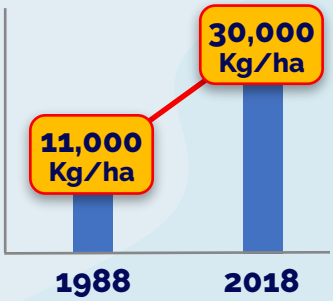
145 hm³/year — Region of Murcia

WATER OPTIMISATION

323%
LOCALISED IRRIGATION SURFACE (HA)

ACHIEVEMENTS IN 30 YEARS

274%
YIELD PER HECTARE



WATER SAVINGS

CONTROLLED DEFICIT IRRIGATION	SOILS MOISTURE MONITORING TOOLS	INSTALLING PLASTIC MULCH ON THE SOIL	COVERING IRRIGATION PONDS
SAVINGS 40%	SAVINGS 25-30%	SAVINGS 25%	SAVINGS 20-25%

ailimpo Spanish Lemon and Grapefruit Interbranch Organisation

LEMON FROM SPAIN

www.ailimpo.com/en
www.thelemonage.eu