

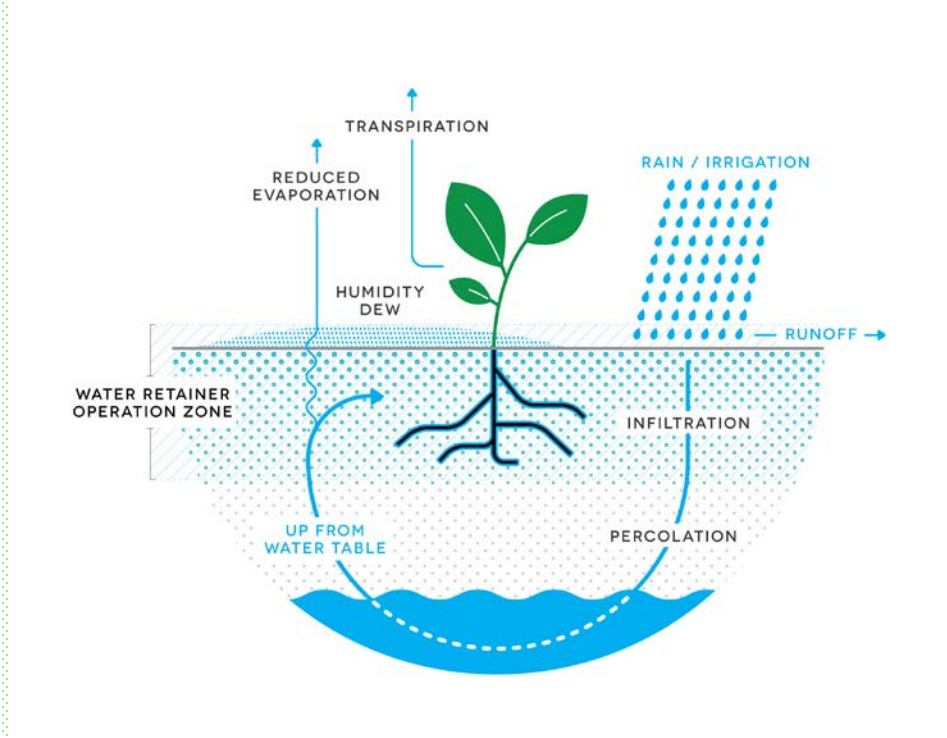
water&soil®

Budapest Water Summit 2019

The WATER RETAINER

KEEPING THE SOILS MOIST FOR LONGER

ADAPTATION TO CLIMATE CHANGE CONSEQUENCES



WE KEEP THE HUMIDITY IN THE SOIL

the WATER RETAINER:

- ◆ is a water soluble liquid, which we spray onto the surface of the soil;
- ◆ is organic based and degrades without any remedies within three months;
- ◆ can be used with repeated treatment;
- ◆ reduces evaporation loss. It also absorbs humidity from the air to the soil;
- ◆ is registered for use in organic farming.



WHERE TO USE



WHERE TO USE



Oil pumpkin not treated



Treated with the Water Retainer
Significant difference due to much better germination.



Control

Treated with the
Water Retainer



Trial in Marrakech on young (1 year old) citrus plantation.
The Water Retainer saved 50 % of the irrigation water during the
2 month period.

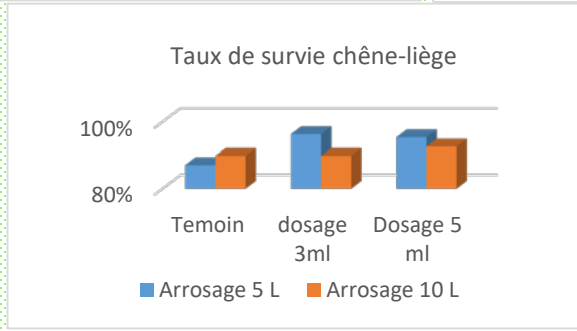
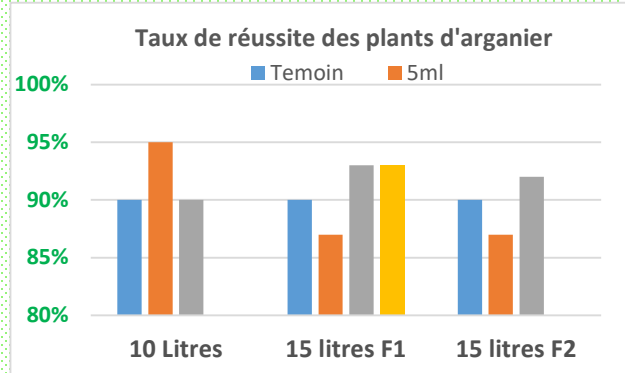
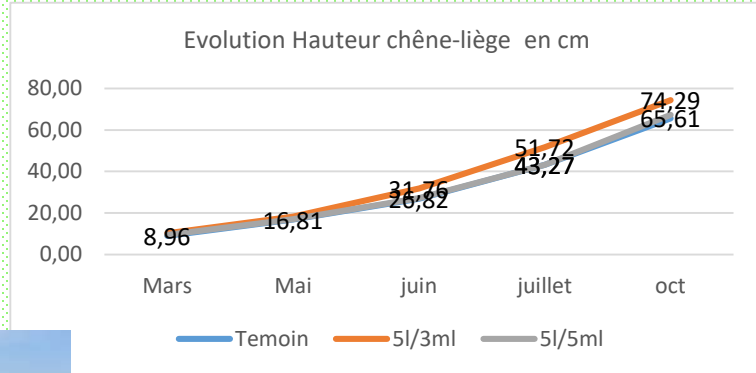
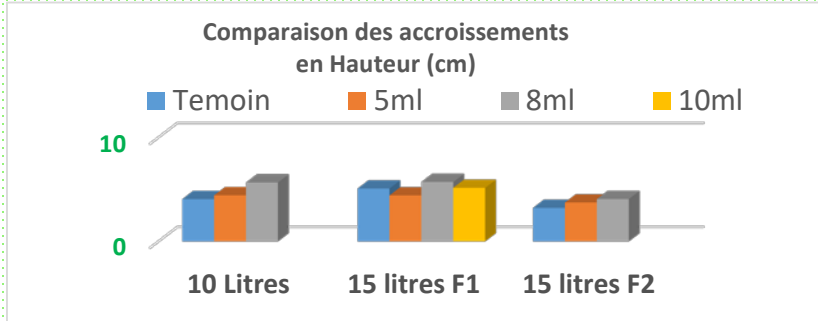
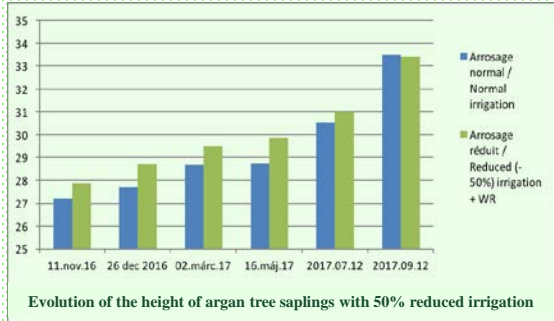


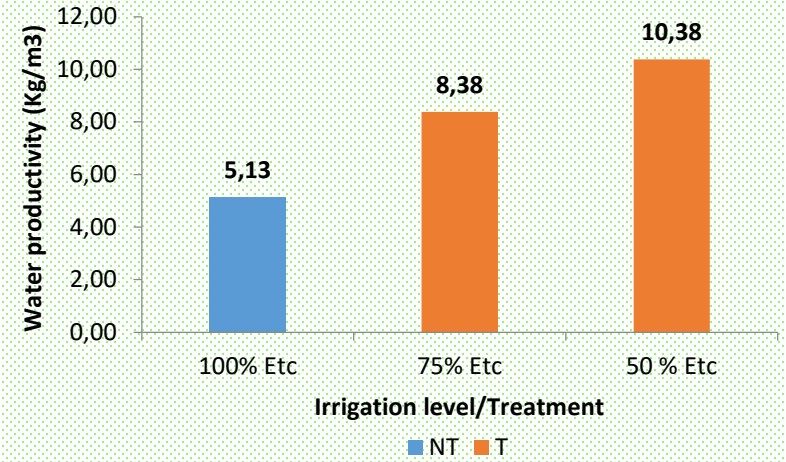
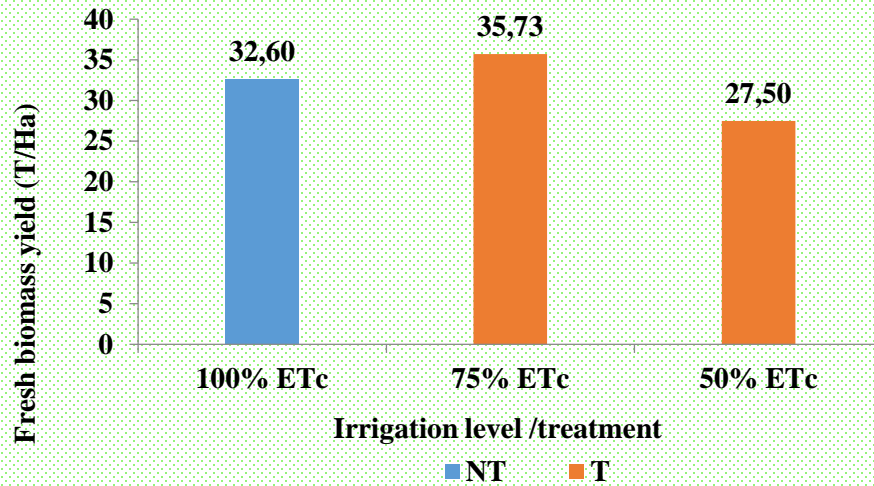
Germination trial in Marrakech



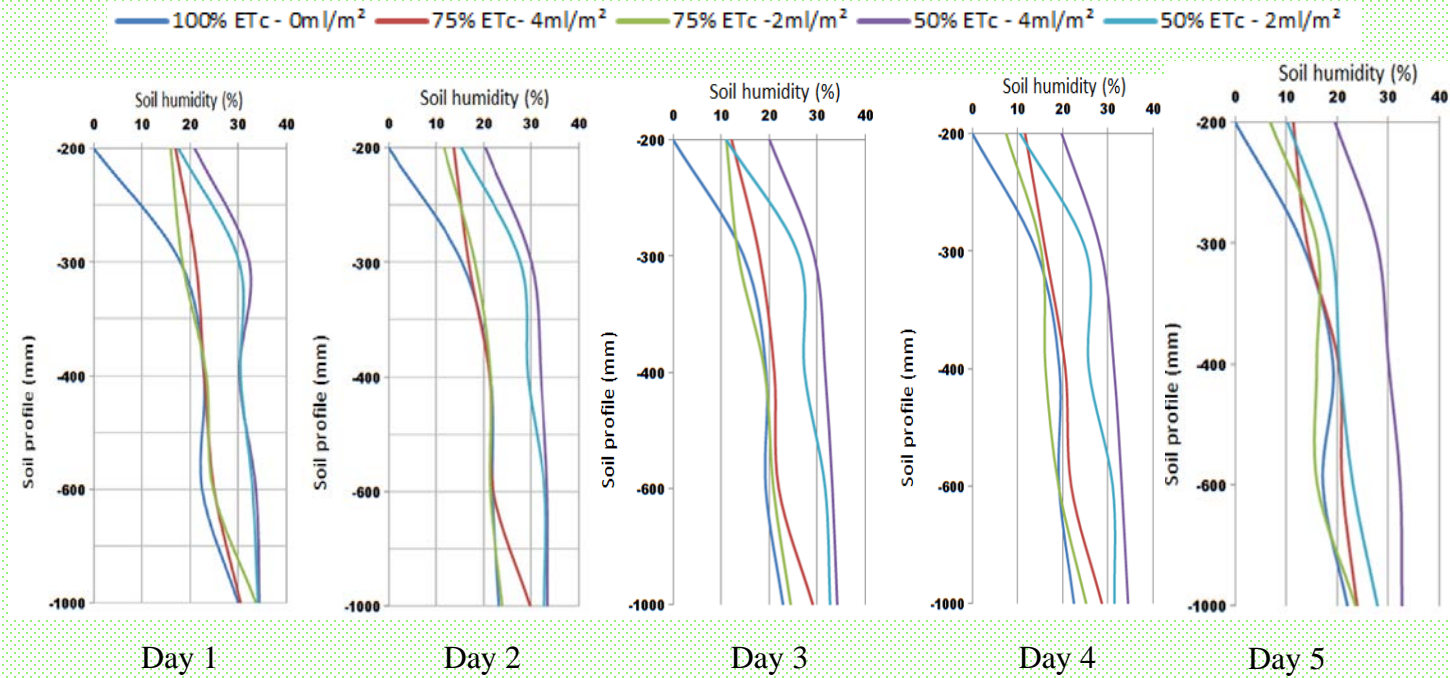
Treated with the Water Retainer
50 % irrigation

Control
100 % irrigation

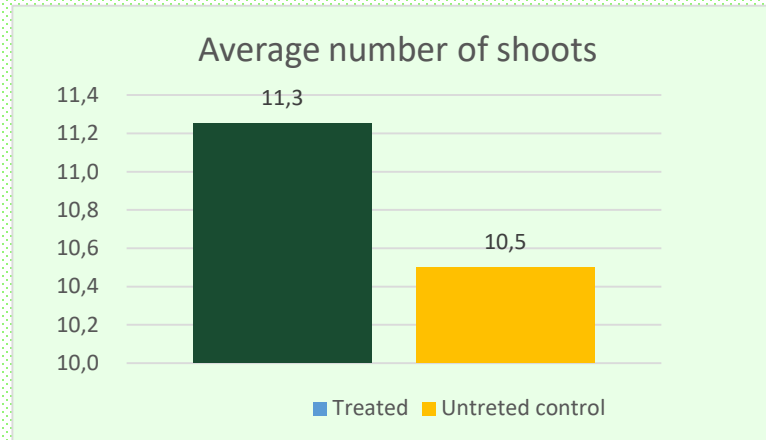
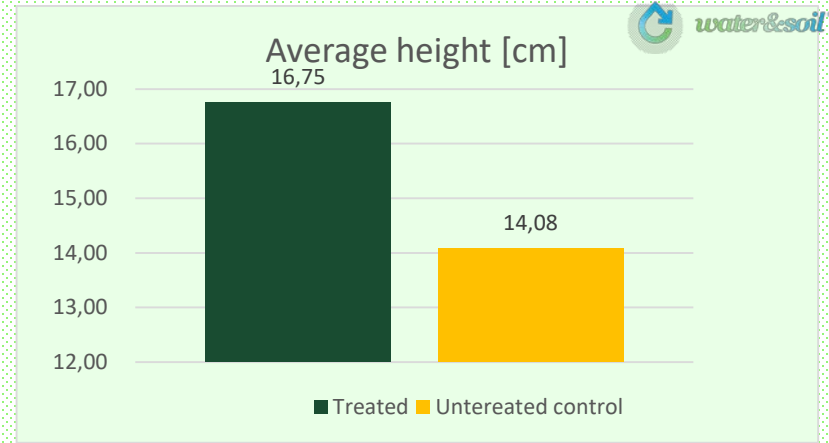




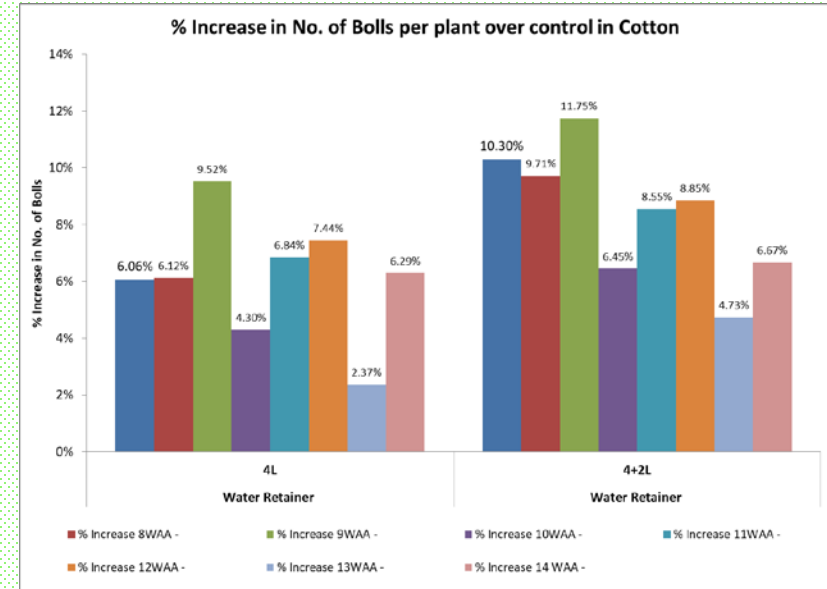
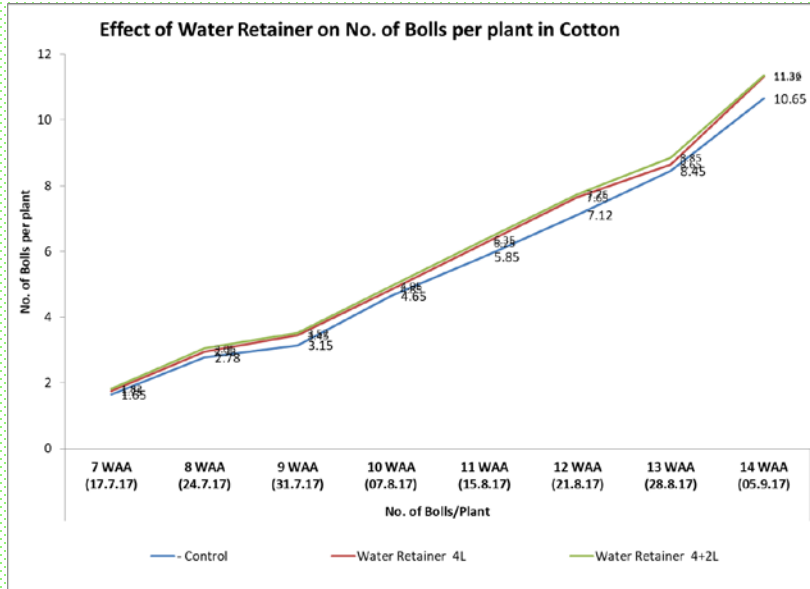
Fresh biomass and water productivity on silage corn in Morocco



Evolution of soil humidity measured from the third day after suspending irrigation for 7 days according to water irrigation regimes and soil treated with the Water Retainer



**Test on capsicum in Nairobi after 45 days of treatment.
Irrigation was reduced by 40%!**



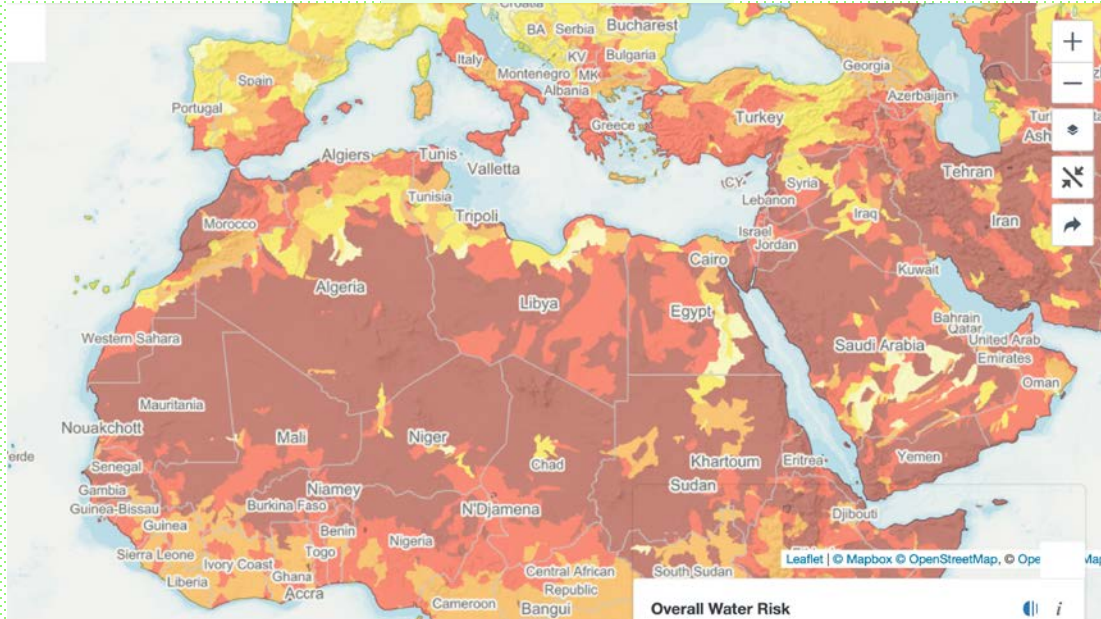
Cotton in Pakistan with 40% less water

<u>Irrigated cultivation:</u>	
Water need for 100 000 acres	160 million m ³
Savings with the Water Retainer application	30%
<i>Water quantity saved</i>	<i>48 million m³</i>

This water saving is enough for 800 000 people's yearly water need!

<u>Water equivalent in non-irrigated cultivation:</u>	
Average water needed in the soil for 100 000 acres	280 million m ³
Yield surplus with the Water retainer application	12%
<i>Water equivalent of the yield surplus on 100 000 acres</i>	<i>33.6 million m³</i>

Overall water risk



Source: www.wri.org

Socio-economic:

- Increased food security;
- Increased possibility for agricultural production;
- Easier and more successful land reclamation;
- Business for local company.

Political:

- Reduces geography based water related tensions;
- Helps keeping the population calm on water related issues;
- Makes water resources management better plannable.

Geographical presence

