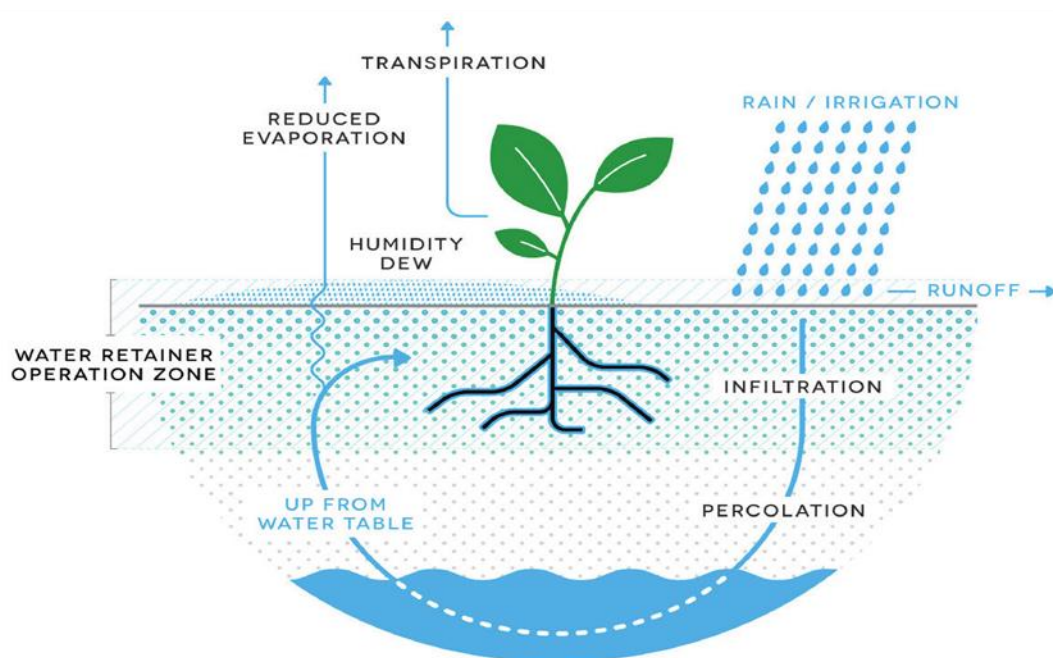


# WATER RETAINER

## ORGANIC BASE SOIL CONDITIONER



### The Water Retainer

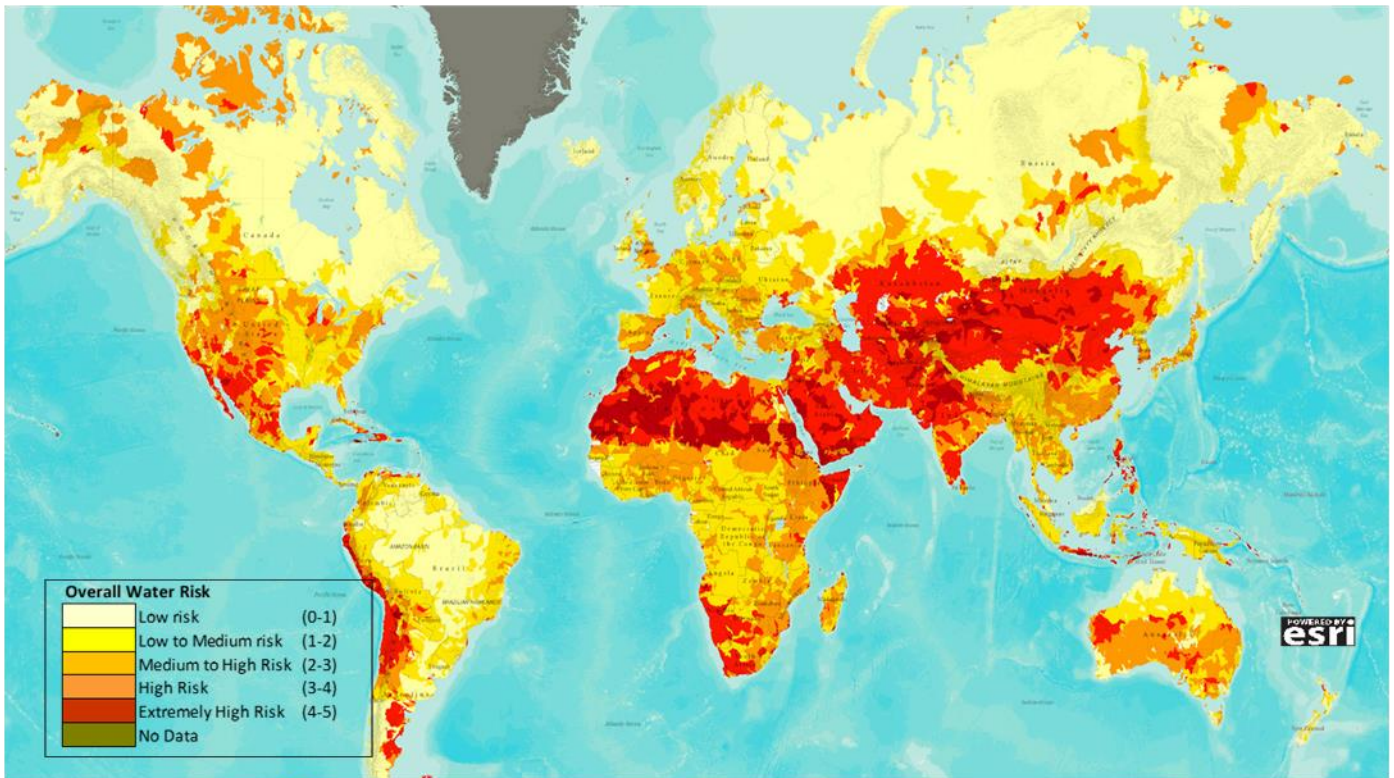
- absorbs a part of the humidity that rises through the underground capillary system, which would otherwise be lost with evaporation and retains it as liquid water.
- it absorbs 'Airborne humidity' and 'Morning dew'.

The absorbed moisture remains in the soil and becomes available to plant roots

## Solution for the Risk

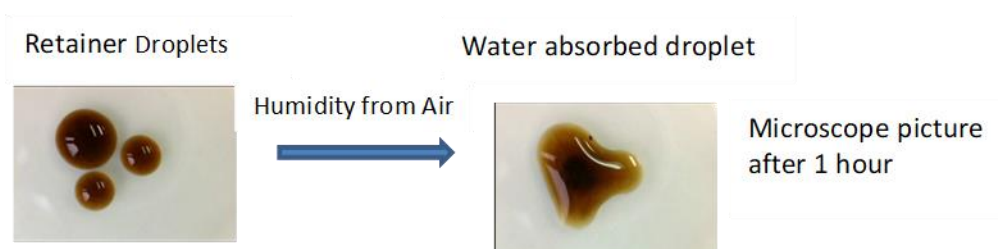
AQUEDUCT

Overall Water Risk Agriculture



Data provided by: WORLD Resources Institute

- 70% of the available sweet water is used by agriculture;
- **Water Retainer** provides the solution how to save agriculture water consumption up to 50%
  - **WATER RETAINER** is a water-soluble liquid, which is sprayed onto the surface of the soil;
    - The material locks to the soil and the roots as well.
    - Organic based and degrades without any residuals. Repeated treatment is possible;
    - Allows rain and irrigation water infiltration into water table;
    - Significantly reduces the evaporation by the moisture around roots level.
  - It also absorbs humidity from the air







- **Water Retainer** can be used in rain-fed and irrigated cultivation;
- dosage is from 1.0 ml/sq.m;
- can be used in organic farming;
- degrades in the soil without remedy approx. 3 months
- saves the irrigation water up to 50%;
- helps reduce soil degradation and salinization



## Horticulture, Vegetables, Grapes, Fruit

- Water retainer saves 50% irrigation in drip irrigated lettuce
- Most of the Nutrient uptake is from the upper 40-50cm level& it where it needs the humidity in the soil

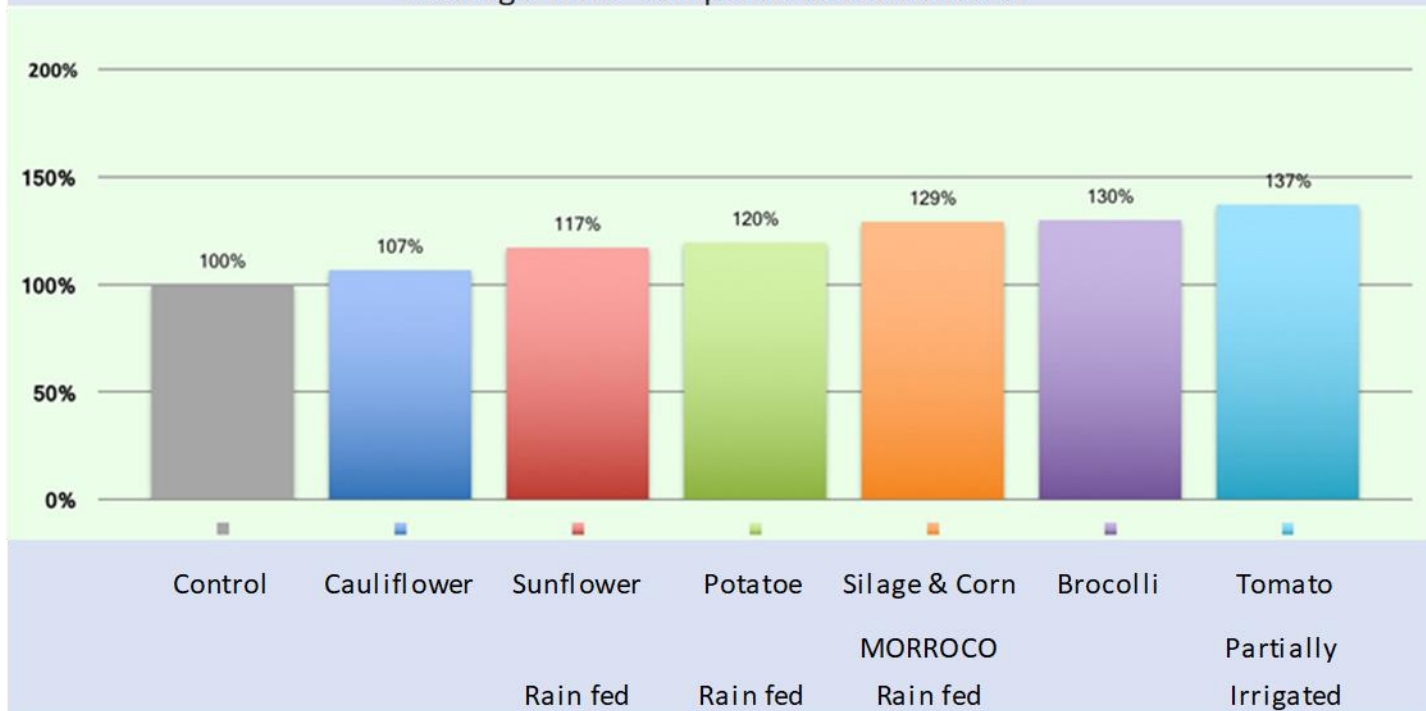




## Results

These results were reported by farmers, research institutions and agricultural input distributors

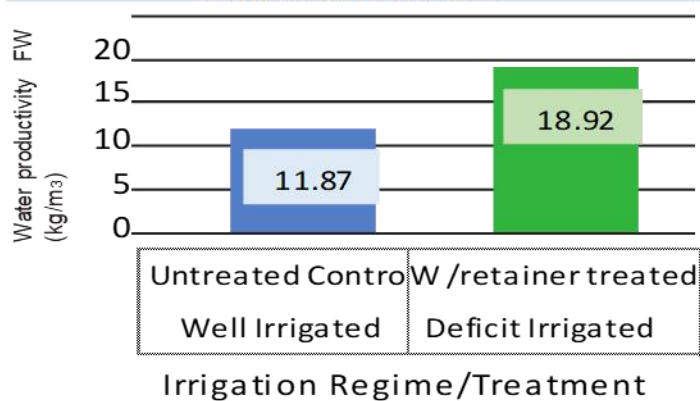
Average Yield compared to the control %



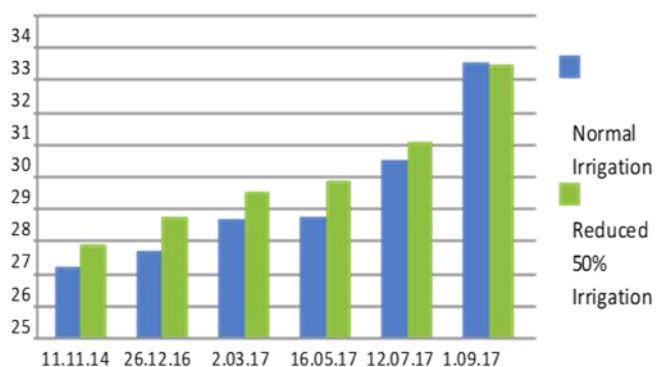
### Germination Trial - Marrakesh



### Water Productivity - Irrigated silage Morocco



### Evolution of the height of Argan Sapling in Arid Area



### Effect of Water Retainer on No. of Bolls per plant in Cotton

