



water&soil™

WATER RETAINER

SOIL CONDITIONER CONCENTRATE

Organic
Product

UP TO **2X** LONGER, YOUR PLANTS CAN
SURVIVE WITHOUT WATERING

UP TO

30%

WATER-SAVING

- Dilute with water and apply to the soil by irrigation or spray.
- If leaves are accidentally sprayed, wash it off thoroughly.



The WATER RETAINER helps maintain a balanced soil life, resulting in healthier and more productive crops.



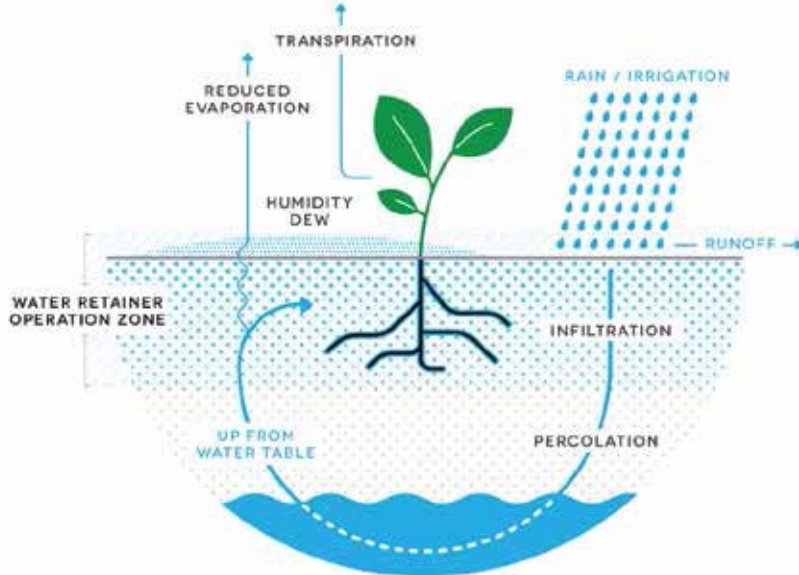
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Manufactured by:
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Reliability & Value

HOW IT WORKS

- THE WATER RETAINER can be applied by either spraying on the surface or with the irrigation water, with different levels of dilution
- In time, the Water Retainer will attach itself to both the roots of the plant and the soil particles, thus allowing water either by rain or irrigation entering the soil to trickle down to the water table, increasing our water reserve.
- The Water Retainer springs into action when vapour streams its way upwards through the capillaries, trapping vapour and transforming it into tiny droplets of water.
- These droplets can be drawn upon by plant roots to absorb water. Meanwhile, the product sprayed on the surface also traps air humidity.
- The product is hygroscopic, thus drawing water – in case of covering verdure or the plant itself, it shall be washed off by 2-2.5 mm irrigation (barring this action, we might experience localised dehydration).



The **WATER RETAINER** absorbs a part of the plant humidity coming up through the capillary system, which normally goes to evaporation loss, and transfers it back to liquid water. It also absorbs humidity from the air. All these water stays in the soil and will be available for the roots.



ADVANTAGES OF WATER RETAINER

1. Healthier Plants

- Studies show that steadier moisture levels benefit microorganic life in the soil, resulting in better nutrient uptake through the root system.
- Less imbalance in moisture levels tending to the optimal means more effective plant development. In this case, microorganisms in the ground provide a healthy, balanced soil life, helping more effective nutrient uptake and storage of essential elements like phosphorus.
- Healthier plants exhibit increased stress resistance, promising better durability in case of extreme weather conditions.

2. Helps all plant types - on all sorts of soil

- With professional application, the Water Retainer works with all types of plants, on all types of soil.

3. Save water

- Your plants' water consumption will decrease by up to 30%.
- You can put the saved water to good use elsewhere.
- The Water Retainer saves up to 30% of irrigation water, either by halving water usage at every irrigation session, or increasing intervals between sessions. You may choose your preferred alternative depending on the state of your plants or weather conditions.
- Water is expensive, and believe us, finite resource. Responsible water management is not only financially frugal, but serves future generations as well.

4. Steady water balance

By reducing evaporation, the Water Retainer helps the ground in maintaining a more steady water balance.

5. Uses air humidity

- The Water Retainer uses air humidity to achieve results.

6. Resistivity

- By reducing fluctuation in soil moisture levels, your plant will be more durable, requiring less frequent irrigation.

Target Crops

Tomatoes, French beans, Maize, export vegetables, golf courses flowers, etc.

WATER RETAINER Concentrate soil conditioner product

Dosage and application recommendation:

Shake the content of the container vigorously and dissolve 1.0 litre in 100 litres of water for each 1000 m² then spray or irrigate the amount onto the soil. In case leaves are accidentally sprayed, wash it off thoroughly (by irrigating about 2.5 mm of water). For turf grass treatment doubled dosage rate to be applied. The product decomposes in 3 months. Maintenance treatment by using time proportional dosing may increase the duration of effect.

Storage conditions:

Keep it in a dry, cool but frost-free and shaded and covered place, away from oxidizing agents, strong acids or strong bases.

Shelf Life: 3 years from date of manufacture if stored in its original, unopened container in a cool, dry, well ventilated place.

