



What is Water Retainer?

The Water Retainer is an organic soil-conditioning product. Generally, its effects last 3 months, during which period – pending appropriate application of the Water Retainer – the soil’s water retainment ability is substantially increased. Applying this excellent ability in the developmental stage of our plants, the benefits in better root development and better hydration will last for the whole cultivation period.

This also means substantially lower drought damages. The plants can survive twice the time in extreme drought conditions without serious damage, alleviating yield losses, while the lower stress level will show itself in better yield results.

The Water Retainer also reduces changes to soil condition caused by drought, which has numerous detrimental effects. Dried out soil might turn water repellent, reducing water uptake from rainfall, which in turn increases the chance of soil panning and it is turning airless, resulting in less utilizable water for our plants, causing an overall yield loss. The detrimental effects may be felt for years.

Thanks to the Water Retainer, the treated soil can additionally trap air humidity during high moisture periods (dawn Dew or night vapour formation).

Soil with ideal water content also means long term benefits in farming.

Irrigated water consumption may be reduced, since the Water Retainer reduces evaporation and stops water trickling deeper than ideal, trapping water in the topsoil layer.

The process in Detail

THE WATER RETAINER can be applied by either spraying on the surface or blended into the irrigation water, with different levels of dilution possible.

In time, the Water Retainer will attach itself to both the roots of the plant and the soil grains, thus allowing water – either by rain or irrigation – entering the soil to trickle down to the water table, increasing the 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).

Healthier plants

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Helps all plant types and all Soils

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

Save Water

Your plants' water consumption will decrease by up to 50%.

You can put the saved water to good use elsewhere.

No more worries about dying plants while on a holiday!

The Water Retainer saves up to 50% 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 an expensive, and believe us, finite resource. Responsible water management is not only financially frugal but serves future generations as well.

Steady Water balance

by reducing evaporation, the Water Retainer helps the ground in maintaining a steadier water balance.

Absorbs Air Humidity

the Water Retainer uses air humidity to achieve results

Resistivity

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