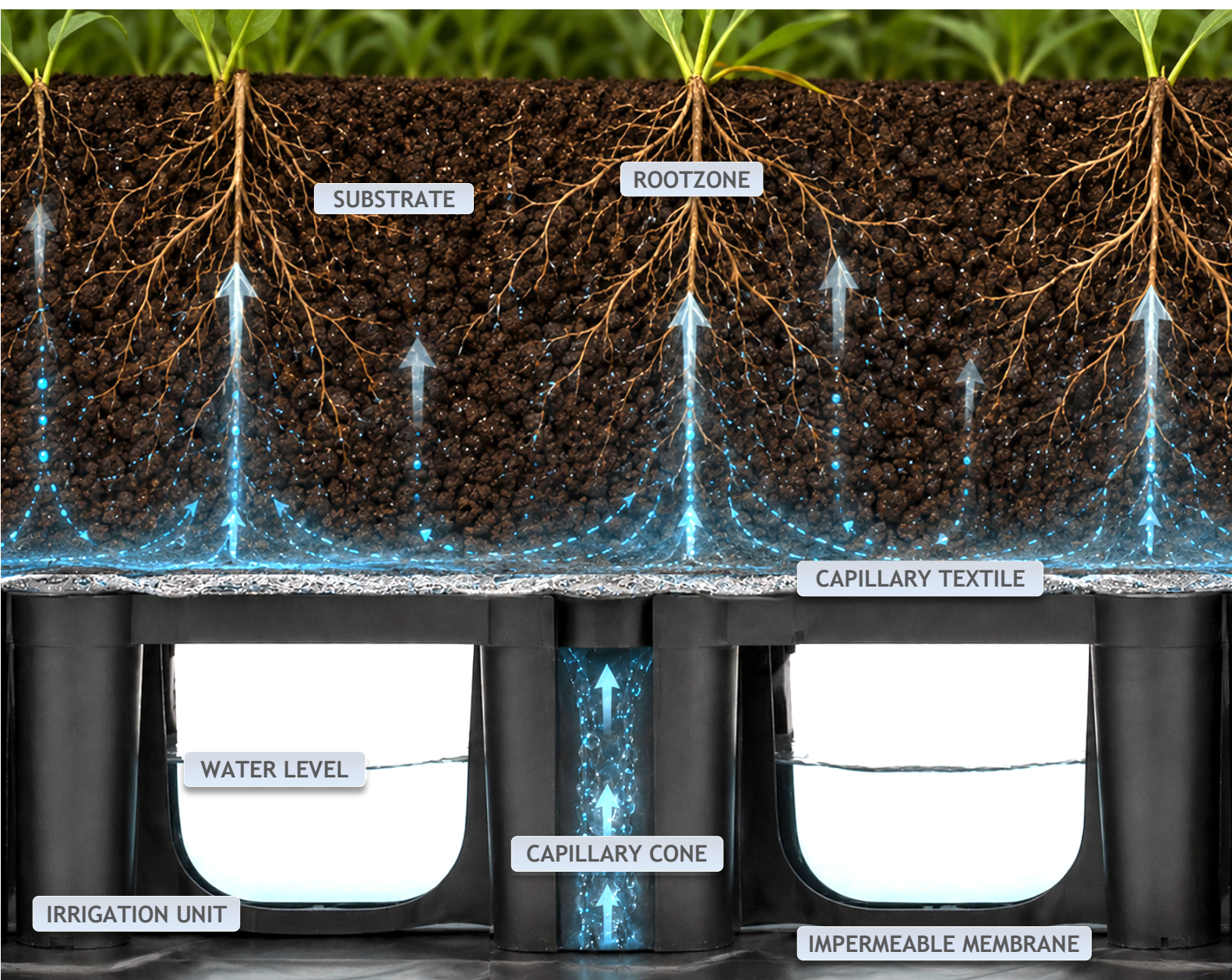


CAPILLARY ROOTZONE IRRIGATION

IRRIGATION BY NATURAL CAPILLARY FORCES, EXACTLY WHERE THE PLANT NEEDS IT



HOW DOES IT WORK?

Water enters the system through a supply chamber and is retained by an impermeable membrane. The 95% open irrigation units distribute water quickly and evenly beneath the planting surface. Capillary cones transport the water upward, while a specially designed capillary textile ensures fast and uniform horizontal distribution and prevents substrate from entering the irrigation units.

The substrate is placed directly on top of the capillary textile. As plant roots absorb water, a natural and continuous moisture flow is created:

- > the substrate draws water from the capillary textile
- > the capillary textile draws new water from the capillary cones
- > the cones absorb additional water available within the irrigation units

This creates a self-regulating irrigation system in which every plant receives exactly the amount of water it needs, at any time of the day.

EFFICIENT, SUSTAINABLE AND ENERGY-SMART

- > No water loss through evaporation
- > Water delivered directly to the rootzone
- > Optimal moisture distribution across the entire surface
- > Water supply possible during daytime – solar-powered with zero energy costs
- > Reduced maintenance requirements by 30-75%
- > **More efficient water usage – over 50% water savings**
- > Up to 80% less erosion



IRRIGATION AT THE RIGHT PLACE, AT THE RIGHT TIME



HEALTHIER AND STRONGER VEGETATION

- > Continuous water availability
- > Improved root development
- > Higher plant quality
- > Stronger and healthier plant
- > **Increased green coverage – more than 25%**
- > Optimal performance, even during the hottest periods of the day
- > Up to 70% fewer mosquitos and wasps



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