



The Worlds #1 Moisture Retaining Soil Additive



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## - What Is Zeoplant?

ZEOPLANT is a highly effective water retaining soil amendment consisting of fully natural mineral and organic components. Its unique features include high porosity, a very large active surface area, extremely good water retention, and high Cationic Exchange Capacity (CEC).

ZEOPLANT improves soil structure and increases the water holding capacity of soil so that the infiltration speed of irrigation water is reduced by up to 85%, allowing plant's roots more time to absorb necessary moisture. Additional benefits include the retention of nutrients in the root zone, the reduction of pH levels, improved CEC, and the formation of many new fine root hairs for healthier and faster plant growth.

In addition to protecting your landscape's performance and well-being, Zeoplant offers the cost savings benefit of our most precious resource, water. Ensuring your bottom line is aided through measurable and effective irrigation cost savings.

## - How It Works

Due to the natural structure and high Cationic Exchange Capacity (CEC), Zeoplant easily absorbs and stores a huge amount of water and dissolved nutrients, and prevents it from percolating too quickly away from the plants root level.

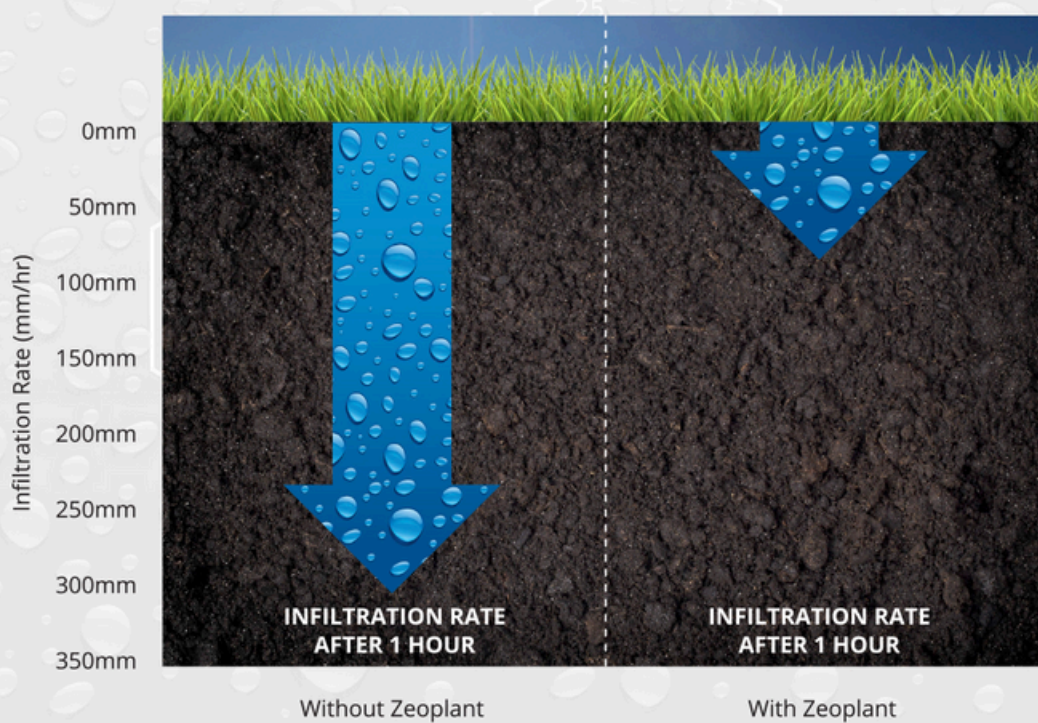
**The chart shows how deep the irrigation water flows down the soil within 1 hour.**

Magnesium  
24.3050

Calcium  
40.078

Molybdenum  
95.94

Boron  
10.811



This nutrition binding effect allows for the dramatic reduction of fertilizers ordinarily lost due to leaching. Additionally Zeoplant contains all necessary macro, mezzo and micro elements which are released according to the needs of the plant roots.

From the very first day, treated areas remain humid and porous, and irrigation needs are drastically reduced. Sandy ground agglomerates, and does not blow away even in windy areas. Plants are continuously better supplied by water and fertilizers held directly in the root zone, and show a boost in their vitality after only 2 weeks. The use of compost in the soil mix can therefore be reduced by 50%, and the need for the ecologically harmful harvesting of peat moss is completely eliminated.

Zeoplant has a total water holding capacity (W.H.C.) of minimum 420 %, and its mineral origin means that it stays active in the soil indefinitely without ever needing re-application.

## Benefits

- Zeoplant reduces plants water needs by 50%.
- Savings of 50% on electricity for pumping of irrigation water.
- Direct wear & tear savings on maintenance for pumping units & irrigation equipment.
- Reductions of storage cost for irrigation water (minimize / eliminate tanks).
- Direct wear & tear savings on maintenance for pumping units & irrigation equipment.
- Monetary savings on time, labour, logistics and maintenance.
- Compost requirements in the soil mix reduced by 50%.
- 50% Reduction of chemical fertilizers during maintenance and operation.
- The need for the ecologically harmful harvesting of peat moss completely eradicated.
- pH is reduced and EC increased which effects growth rate by retaining vital nutrients in the root zone of plants.
- Healthier and faster growth of plants and crops which can be substantially proven (temperature controlled areas, i.e. Green houses and open areas).
- Reduced carbon footprint.

Water Irrigation Demand Reduced By 50%

Minimum Irrigation Savings 50%

Reduced Infiltration Speed Of Sweet Soil By Up To 85%

NPK Fertilizers Savings Of 50%

Compost In The Soil Mix Reduced By 50%

Total Water Holding Capacity Exceeds 100%