

# AGENTS FOR INCREASING WATER RETENTION AND SEED EMERGENCE

## **PEWAS Agro**

are agents designed for dry and semi-dry regions, which upon being mixed with soil, have the ability to bind water and nutrients in the plant root system which results in a more economical use of resources.

### How PEWAS Agro works

PEWAS Agro products work on the principle of using properties of superabsorbent polymers. They are able to absorb large amounts of water, 200-500 times of their weight, and gradually release it to the seed in times of drought. Similarly, they are able to absorb certain amount of nutrients coming from the melted fertilizer inside their structures. Thanks to this PEWAS Agro products function as a reservoir of water and nutrients in the soil directly next to the root system and they are released when they are needed. PEWAS Agro products use only environmentally neutral polymers. They degrade naturally (by 10-15% annually) into non-harmful substances: carbon dioxide, water, nitrogen, and ammonium.



### Key benefits

- \\ **Increases water efficiency** - up to 50%
- \\ **Helps to create a more developed root system**
- \\ **Better survival rates** for young trees
- \\ **Increases the efficiency of regular fertilizers** and nutrients, and so reduces their amount needed
- \\ **Reduces water contamination** caused by pesticides and fertilizers by entrapping them in the created Aquaholder® gel
- \\ **Helps absorb excessive humidity** to avoid roots decay
- \\ **Aquaholder® Agro is available in various forms** based on customer's requirements



## The PEWAS Agro products are available in multiple forms:

**Aquaholde® powder** – in crystal form, which is mixed with the substrate during planting. It works as a soil conditioner that enhances the soil properties and renders the use of irrigation water more efficient. It operates in the soil over a period of more than 5 years. The consumption when laying a turf amounts to 30 to 50 grams per sq m.

**Aquaholder® hydrogel** – in crystal form, which upon being mixed with water is used for soaking root balls prior to planting. It further increases the survival ratio of young plants and accelerates their growth. It enables to plant in dry periods too.

**Aquaholder® injection** – special type of hydrogel, which is afterwards injected using special injector directly to the root system of trees and plants - it is not necessary to interfere to already established vegetation.

## Use

- ✓ **For small farmers** (building of flower beds and vegetable beds, lawns, transplanting of plants, growing of indoor plants and pot plants)
- ✓ **For big farmers** in farming
- ✓ **In viticulture and fruit growing**
- ✓ **In industrial gardening** (maintaining the level of humidity of cut flowers, growing of plants in containers and root balls)
- ✓ **Maintenance of green areas and golf turfs**

### Aquaholder® Agro hydrogel application



### Aquaholder® Agro powder application



### Aquaholder® Agro hydrogel injection



## Do you have any questions? Please contact us:

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