

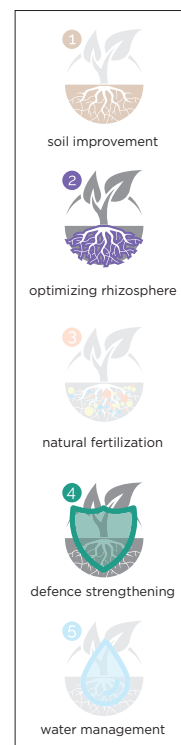


Soluble  
endo  
mycorrhiza

The pure spores of four different mycorrhiza species form the active ingredient of VA PWI. This composition is supplemented with natural catalysts to ensure a good start of these essential fungi. Endo mycorrhizal fungi are an essential requirement for almost all crops for healthy plant growth. The hyphae of mycorrhiza provide the plant an extended uptake capacity by 700% average. This allows the plants to deal efficiently with water and fertilizers. The hyphae are able to grow in the finest soil pores to get the sparing nutrients for plants. Leaching can be prevented by dosing of fertilizers and use of mycorrhiza.

Hyphae of mycorrhizal fungi support the mobilization of P, N, S and various trace elements such as Cu and Zn to the plant. The mobilization of these elements promotes the nutrient density which is essential in food/feed crops. Research has shown that tolerance to (environmental) stress factors can be increased by the use of mycorrhiza. Plants that grow with mycorrhiza are more resistant to salinity stress for example. Use of mycorrhiza is directly visible in the increased dry matter content, vegetative growth, fruit weight and plant health. The growth of plants under field conditions in combination with mycorrhiza can be increased by 300%.

The use of mycorrhiza is not only important for plants, these fungi are also essential for the soil structure. By enlarging the root system, a more airy soil is created which is better able to buffer water. Glomalin, secreted by these mycorrhizae, also provides for the binding of soil particles and minerals. In addition, glomaline is important in capturing CO<sub>2</sub> in the soil, soil structure, preventing erosion and water stability.



## PRODUCT BENEFITS

- Essential for 90% of all crops
- Efficient absorption capacity
- Extended lifespan of roots
- Availability of sparse minerals
- Improved regrowth during replanting
- Improved water availability
- Soil-, plant- and fruit improver
- Support climate resistant crops

## USE IN COMBINATION WITH OTHER (PHC) PRODUCTS

VA PWI may be used in combination with all PHC fertilizers, PHC bacterial products and PHC plant enhancers. The use of Fulvic 25, MooR, BioPak or Compete Plus, amplifies the effect of VA PWI. In the case of pot plants, supplementation of Yuccah may be necessary.

### Packaging, transport & storage

VA PWI is supplied in boxes of 1 kg. Must be stored at a stable temperature between + 0°C and 25°C, under dry conditions and from direct UV/sunlight.

Shelf life: 3 years.



**We Grow Soil.**

**Health and safety information**

Not intended for ingestion. Wash hands after use. While handling the product, wear protective clothing. In case of an accident or if you feel unwell, consult a doctor. KEEP OUT OF REACH OF CHILDREN.

**Product licences**

VA PWI is an organic biostimulant and is approved for use in organic agriculture in accordance with EU regulation 834/2007, COR and NOP. Approved input by Kiwa Sverige AB. CFIA registration no. 2018112A. Check current listings also on inputs.bio, inputs.eu, krav.se.

**INGREDIENTS**

Endo mycorrhiza (556 spores/gram)	6.09 %
Seaweed extract	15.00 %
Fulvic Dry	25.00 %
Glucose	51.91 %
Inert ingredients	2.00 %

**DOSAGE**

Agriculture seed treatment	1 kg/ha
Minimum amount of spores per plant	>30
Potting plants (200/400l water)	1 kg/10,000 plants
Seedlingtrays (1/2 filled)	5 gr/l water

**GUARANTEED ANALYSIS**

Funneliformis mosseae	139 spores/gram
Glomus deserticola	139 spores/gram
Glomus etunicatum	139 spores/gram
Rhizophagus irregularis	139 spores/gram

**ADDITIONAL INFORMATION**

VA PWI is specially developed for application by potting machines and DIM (dosage injection machine) sprayers on sowing machines. Use diluted product within 4-6 hours. Do not mix with crop protection aids/pesticides. PHC only works with pure spores that contain no pathogens or root fragments. PHC can perform mycorrhiza analyses to determine the current condition of your soil and colonization degree. Consult your product representative for tailor made advice.

As with all organically sourced materials, the analysis may vary as much as 15%.

**REFERENCES**

- Zhu, X., Song, F., Liu, S., Liu, F. (2016). *Role of Arbuscular Mycorrhiza in Alleviating Salinity Stress in Wheat (Triticum aestivum L.) Grown Under Ambient and Elevated CO<sub>2</sub>*
- Muchovej, R. M., (2001). *Importance of Mycorrhizae for Agricultural Crops*

**WARRANTY**

Plant Health Cure sells the product VA PWI. Carefully follow the instructions on the packaging. We cannot guarantee suitability of the product outside the originally intended application. Plant Health Cure is only obliged to replace products that do not meet the specifications. Suggestions for use and information about results of the use of the product - obtained from the manufacturer - can be considered reliable. As Plant Health Cure cannot exercise any control over the conditions of use, the buyer/user is responsible for all results, including any injuries or damage resulting from the use of this product alone or in combination with other materials. Keep out of reach of children. **The most recent version of the data sheet is always available on [www.phc.eu/en](http://www.phc.eu/en).**