

The Future of Viti- culture



Humiverse[®]
More Yield the Natural Way

Humiverse®Plus – The Future of Viticulture

- Promotion of soil life
- Improvement of soil structure and increase of humus formation
- Increasing the availability of macro- and micro nutrients
- Increase of cation exchange capacity
- Increase of water holding capacity
- pH value equalisation on (strongly) acidic and alkaline soil
- Improvement of salt- and pollutant-contaminated soil
- Enzymatic effect on the formation of important plant hormones
- Protects the plant from UV radiation and increases chlorophyll formation



Other Advantages:

- Improvement of nutrient uptake (activity / root extracts)
- Dissolution of salts and renewed bioavailability
- Increased resistance to abiotic stress, e.g. drought, heat, UV radiation, frost, salinated soils (due to overfertilisation with NPK fertilisers), Nutrient deficiency and pH-value-deviations
- Promotion of root growth (rhizosphere, gravitropism)
- General growth stimulation (seed germination, flowering and fruit development)
- Increase of disease resistance (e.g. fungal diseases, low hyperglycemia in the plant)
- Improvement and safeguarding of the qualitative and quantitative properties of the harvested products

„Humiverse®Plus is an organic biostimulant of the highest purity and represents a new world standard. After scientifically accompanied tests and successful use in practice, nothing more stands in the way of product introduction in both organic and conventional agriculture.

Humiverse®Plus means more quality and more yield the natural way.“

CEO Terra Optima AG, Heiko Petermann



Zulassung gemäß § 9a Düngemittelgesetz 1994 idGF. beim BAES, Österreich
Zulassung gemäß EU Öko Rechtsvorschriften, etc. bei der FiBL, Deutschland



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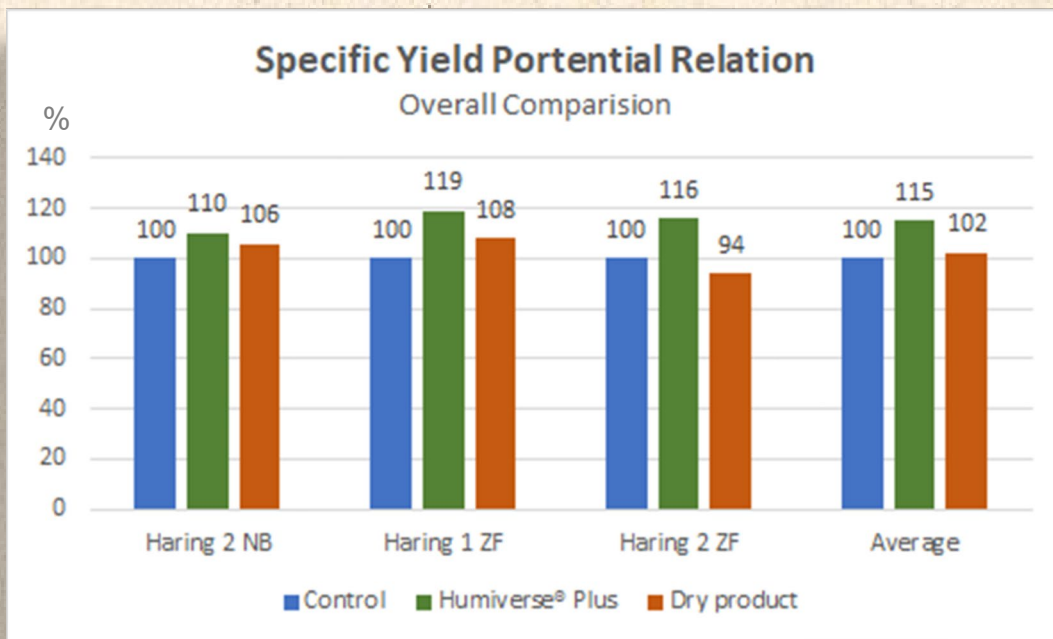
Humiverse® Plus – The Future of Viticulture

Practical viticultural trial

Study on the effect of Humiverse® Plus in comparison with a dry humic acid product and a zero variant (Dipl.-Ing. Dr. Eduard G. Taufrazthofer, Austria)

➤ General study conditions

- ❖ Basic fertilisation with Bio-Agenasol (BAS) with 1.000 kg/ha
- ❖ Humiverse® Plus liquid 20% Active Agent Content (50 kg/ha)
- ❖ Dry product 85% Active Agent Content (50 kg/ha)
- ❖ Vineyard: Haring (Ried, Oberer Badenweger, Gemeinde Gumpoldskirchen)
- ❖ Wine varieties: Zierfandler (ZF) and Neuburger (NB)
- ❖ Time period: May – October 2023



➤ Test results in 2023 (1st year)

- ❖ Improved root formation and Water absorption capacity
 - Growth in deeper soil layers
- ❖ „Specific yield potential“ +15%
 - Grape yield +18%
 - Sugar yield netto +15%



Humiverse® Plus - The Future of Farming

Recommendations for agricultural practice

These recommendations are based on scientifically monitored on-farm trials. Humiverse® Plus can be applied pre-emergence, but also post-emergence. A concrete recommendation depends very much on the respective conditions such as previous crop, soil condition and region.

Crop Farming	As a soil additive for regeneration: Depending on soil type/humus content: 20,0 - 50,0 l/ha Water application rate: 500,0 l/ha Single dose or splitting possible. Follow the regional recommendations!
	As a biostimulator on the Plant: 4,0 - 6,0 l/ha From 2-leaf stage Water application rate: 300,0 l/ha
Green spaces, Grassland, Pastureland	As a biostimulator on the Plant: 3,0 – 5,0 l/ha Water application rate: 300 l/ha
Viticulture, Fruit growing Special crops	As a biostimulator on the Plant: 50 ml/Plant Water application rate: 10,0 l/Plant
Compost, Substrates Soil Production	For optimal effect: 0,5 – 6,0 l/m ³ Application rate depending on origin and weight of the raw material.



Humiverse® Plus is applied liquid and has an immediate effect on plants and soil.



For soil recultivation, irrigation and fertilisation, take advantage of the direct advice from our team!

Consultancy and Sales:

Please send product related questions to:
Please send orders to:

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