



GroWit[®] Hydrogranulat

Organic water storage



„grow sustainably – strenghten naturally“

- ◆ increases the soil's water retention capacity and fertility
- ◆ promotes vital and healthy plants
- ◆ active in the soil for 3 – 5 years, depending on soil type
- ◆ recommended application rate: from 10 g of Hydrogranulat per litre of soil
- ◆ approved for organic farming in Austria and Germany



GroWit® Hydrogranulat

BESTPRICE
PRODUCT

The organic water reservoir – Enhances rooting success and supports strong, vital plants

Areas of application:

- Forestry (forest plants)
- Tree nurseries (e.g. tree planting)
- Viticulture (grapevines)
- Fruit and vegetable cultivation



Your benefits:

- ◆ **Improvement of the water retention capacity in the soil** – GroWit® Hydrogranulat maximises the water storage capacity of the soil - especially during dry periods.
- ◆ **Protects trees and plants from drought stress** – GroWit® Hydrogranulat forms a water reservoir in the soil to protect plants from water shortages and drought.
- ◆ **GroWit® Hydrogranulat decomposes into humus, increases soil fertility** and thus forms a sustainable ecosystem in the soil.

- ◆ **Nutrients present in the soil are bound and slowly released.**
- ◆ **No direct leaching of these nutrient.**
GroWit® Hydrogranulat releases nutrients in a controlled manner.
- ◆ **Reduced costs for irrigation, fertiliser and labour –**
GroWit® Hydrogranulat in combination with any form of irrigation reduce water consumption as well as energy and labour costs. The advantage is a water saving of up to 40 %.
- ◆ **Depending on the soil type, GroWit® Hydrogranulat is active for at least 3-5 years**

- ◆ **GroWit® Hydrogranulat can be safely used for all plantings in conventional and organic farming.**
 - Listed in the input catalog and certified for organic farming in Austria.
 - Listed in the FiBL input list for organic production in Germany.



item no.	product
831903	GroWit® Hydrogranulat – sack with 750 g
	from 20 packs
	1 to 19 packs
831901	GroWit® Hydrogranulat – sack with 20 kg
	from 500 kg (pallet)
	220 to 480 kg
	20–200 kg
831902	GroWit® Hydrogranulat – Big Bag with 500 kg
	500 kg (Big Bag)

Ingredients: Lignin derivatives, individually approved as a soil conditioner according to § 9 DMG 2021.

Storage: Store in a cool, dark, and dry place. Keep out of reach of children and pets! Do not swallow!

Enhances rooting success and supports strong, vital plants

– WEB –



Recommended Application:

◆ Reforestation / New Planting (e.g. bare-root plants):

- Apply 50–100 g per plant, *depending on plant height and root ball size*.
- For plants taller than 50 cm, use approximately 100 g per plant. Thoroughly mix the granulate with the surrounding substrate in the root area. Avoid placing the granulate as a separate layer.
- **Practical tip:** For planting bare-root plants in holes of approx. 8 litres, use 80 g of GroWit® Hydrogranulat per planting hole.

80 g granule = approx. 3 – 4 large handfuls



◆ Container Plants – Substrate Preparation:

Mix 10–20 g of GroWit® Hydrogranulat per litre of soil.

- 10 g per litre for heavy substrates or substrates with a high organic content.
- 20 g per litre for light, well-draining substrates with a high sand content.
- Substrate for forestry and container plants: from 10 kg per m³ of soil.

- ### ◆ Root dipping:
- To protect plants from drought stress and heat during extended storage or transport: Mix GroWit® Hydrogranulat with water at a ratio of 1:10. Allow the granulate to fully absorb the water. Dip the root ball into the prepared hydrogel for several seconds.

◆ Fruit and Viticulture – New Planting: 100 g per plant

Thoroughly mix the granulate with the surrounding substrate in the root area. Avoid placing the granulate as a separate layer. For extreme soil conditions: up to 15 g per litre of soil or 15 kg per m³ of soil.

◆ Urban Tree Planting – Substrate Preparation:

- Mix 10–15 kg of GroWit® Hydrogranulat per m³ of soil.
- 10 kg per m³ for heavy substrates with high organic content.
- 10–15 kg per m³ for light, well-draining substrates.

◆ Lawns:

- Incorporate 100 g of GroWit® Hydrogranulat per m² into the top 5–10 cm of soil.
- For heavy substrates with high organic content, use 10 g per litre of soil.

◆ Greenhouses / Polytunnels (Vegetables):

- Incorporate or till 100 g of GroWit® Hydrogranulat per m² into the top 10 cm of soil.

◆ Field Crops – Precision Seeding (e.g. maize, soybeans, sunflowers):

- Apply 20–30 kg of GroWit® Hydrogranulat per hectare directly into the seed furrow during sowing.
- Application via microgranulate spreaders (e.g. similar to starter fertiliser application).
- Avoid application during periods of severe drought.

Note: After application, activate GroWit® Hydrogranulat by watering.



GroWit® Hydrogranulat

Example of use in forestry during new planting



GroWit® Hydrogranulat



One-year-old, healthy fir tree after planting with GroWit® Hydrogranulat



Side-by-side comparison: Fir tree after one year – without GroWit® (left) and with GroWit® (right)