

# GREEN JEWEL®

FOR BOTANIC GARDENING

## HYDROGEL

### SOIL WATER RETENTION



**GREEN JEWEL HYDROGEL** is made of a three-dimensional structure of water-attracting polymers that can soak up and hold water or nutrients—sometimes hundreds of times heavier than itself. When added to soil, it creates a moisture reserve that slowly supplies water to plant roots over time.

- ✓ **Optimized Water Usage** - Captures rainwater or irrigation and gradually releases it, minimizing the need for frequent watering.
- ✓ **Drought Protection** - Preserves steady soil moisture levels, helping plants withstand heat and dry conditions.
- ✓ **Enhances Root Development** - Maintains moisture around the roots, promoting deeper growth and improved nutrient uptake.
- ✓ **Improves Seed Germination** - Provides consistent moisture to promote quicker and more uniform sprouting.
- ✓ **Minimizes Nutrient Leaching** - Retains nutrients in the soil, making them more accessible to plants.
- ✓ **Enhances Soil Structure** - Boosts aeration and loosens compacted soil, supporting robust root growth.

**GREEN JEWEL HYDROGEL** - Superabsorbent polymers (SAPs) are powerful agricultural tools that improve soil quality, enhance root hydration, conserve water, and boost drought resistance. Their exceptional properties promote faster seed germination and healthier seedling growth, ultimately increasing farm productivity and success.

#### COMMON USES :

- ✓ Combine with potting soil for houseplants and garden beds.
- ✓ Incorporate into seed-starting mixes for better moisture retention.
- ✓ Add to sandy or nutrient-poor soils to boost water-holding capacity.
- ✓ Perfect for hanging baskets, potted plants, and arid environments.

#### DOSAGE:

General	3g / L substrate or soil
Under grass carpets	50g - 100g / m <sup>2</sup>
Lawn sowing substrate preparation	3kg / m <sup>3</sup>
Planting trees and shrubs	Conifer trees - 400g / m <sup>3</sup> Deciduous trees - 800g / m <sup>3</sup> Coniferous bushes - 15g / plant Deciduous shrubs: 30g, 60g, 120g / plant* *(depending on size)
Seedling	3g - 4g / seedlings - mix with the substrate and thoroughly pour  200g / 10L of water - for preparation before hydrated solution and then 400ml - 600ml / seedlings - to the roots and fill with clay and pour

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