



AQUAGRAIN – the soil additive

A splendid show of flowers, a rich green, a healthy crop - that is what amateur and professional gardeners, landscapers and agriculturists like to see.

To achieve these kind of results, it helps to have green fingers. Or, for those who need a more innovative solution:

AQUAGRAIN, the water absorber soil additive.

Make sure you derive the benefits of **AQUAGRAIN** for your soil:

- * More efficient use of water
- * Lower irrigation costs
- * Higher yield
- * Accelerated growth

AQUAGRAIN is a highly absorptive superabsorbent polymer (SAP) with up to 400-fold higher water absorption capacity.

AQUAGRAIN absorbs and retains the water effectively and faster than any other absorbents. It releases the captured moisture as needed and delivers it in controlled, targeted doses to the roots as soon as the soil starts to dry out.

LOHRMANN INTERNATIONAL supplies two polyacrylamid free products: Potassium polyacrylate and sodium polyacrylate, both of which have a particle size which is easily applied in the soil.

AQUAGRAIN: one superabsorbent, multiple applications

AQUAGRAIN is compatible with all soil types. Amateur gardeners and professionals in landscaping, tree planting and many other areas look to **AQUAGRAIN** for an efficient, sustainable and easy-to-use moisture management solution.

Home & Garden



AQUAGRAIN puts the bloom in hanging baskets and window boxes for a better show of flowers. The benefits are evident:

- More flowers that bloom for longer
- Flowers are more resistant to drought
- Flowers last for longer periods without watering, reducing water consumption by approx. 30%. Ideal for holidayers!
- Minimises excessive water run-off and evaporative losses
- Less fertilizer leaching
- Better transportation of nutrients in the substrate

Tree Planting and Tree Nurseries

AQUAGRAIN delivers just the right amount of water to the root system, offsets periods of drought and improves the aeration of the soil, resulting in better overall plant development. Specific benefits include:

- Rapid germination and a well-developed root system
- Increased germination rates and higher survival rates
- A better uptake of nutrients
- Higher biomass production
- Shorter growth cycles
- Compatible with poor and problem soils in arid regions



Professional vegetable and fruit production



Professional growers looking to improve their yields of high value crops like tomatoes, lettuce, and strawberries stand to benefit from **AQUAGRAIN**:

- **AQUAGRAIN** retains moisture in all soil types, including peat moss
- Improves water-holding capacities in nursery bark chips, keeps water near the roots
- More efficient use of fertilizer as leaching is prevented
- Increased crop yield Professional vegetable and fruit production

Landscaping

AQUAGRAIN provides just the right amount of water to the root system, an important feature with benefits that professionals appreciate:

- Well-developed root system with a better uptake of nutrients and higher biomass production
- Shorter growth cycles
- Less soil compacting
- Better water uptake, reduced drought stress



Golf course construction



AQUAGRAIN meets the highest golfing standards as a matter of course. Just apply **AQUAGRAIN** in the root zone and enjoy benefits such as:

- Rapid turf seed germination
- Thicker, more durable turf with stronger, more developed root-system
- Easily applied with standard equipment
- Lower irrigation costs due to increased moisture content of the soil
- Improved soil aeration and increased soil porosity

Reforestation

AQUAGRAIN helps in reforesting and recultivating arid regions to restore their usefulness.

The benefits are:

- Improved development of the root system
- Rapid germination and higher survival rates
- Improved water retention in the soil
- Reduced irrigation frequency resulting in cost savings
- Less water loss through drainage or evaporation
- Nutrients can be easily taken up by the plants Reforestation



How to apply **AQUAGRAIN**

AQUAGRAIN is suitable for blending with all soil types and meets the criteria for user-friendliness in all applications. It only takes a few steps:

- Add **AQUAGRAIN** to your soil. Mix **AQUAGRAIN** and the substrate thoroughly until you get a homogeneous blend
- Plant or sow as usual
- Irrigate immediately to allow **AQUAGRAIN** to absorb the maximum amount of water

Application rates for different plants

Trees and shrubs 50g/hole
Flowerbeds, borders,
nursery beds 2.5-3.0 g/l
Tubs, hanging baskets,
window boxes 2.5-3.0 g/l
Strawberries 2.5 g /m²
Tomatoes, peppers, lettuce 5 g/m²
Lawns 50 g/m²

Greener and cleaner for forward looking growth

AQUAGRAIN is long lasting thanks to the longterm stability typical of superabsorbents. And that's what makes **AQUAGRAIN** so efficient in all applications for amateur and professional gardeners.

AQUAGRAIN not only helps make the world a greener place. It's also environmentally friendly and ecotoxicologically safe. Its biocompatibility makes it safe to compost, with no risk of harming the composting process.

Innovation for success that is sustainable

LOHRMANN INTERNATIONAL is a strong partner to the agricultural industry. Our teams are passionate about developing groundbreaking superabsorbents and intelligent solutions to meet customers' needs and enhance their success.

Our activities are compatible with the principles of sustainable development. That means, they are to satisfy the demands of contemporary generations while safeguarding those of generations to come. Commercial interests do not take priority over safety, the protection of health and the environment.

Lohrmann International GmbH
Sonnenberger Straße 16
65193 Wiesbaden
Telefon: +49 (0)611-701 888
Telefax: +49 (0)611-701 895
E-Mail: info@lohrmann.com
Internet: <http://www.lohrmann.com>