Jungbunzlauer

From nature to ingredients®

Sow the seeds for a sustainable future

With increasing global regulations and restrictions in the agricultural sector, it's more important than ever to protect both people and the environment while maintaining high productivity. Jungbunzlauer offers the innovative solutions and bio-based ingredients to address these challenges in a safe and effective way to the agriculture industry.

Multifunctional co-formulant

Jungbunzlauer's CITROFOL® citrate esters are excellent carrier fluids for a wide range of product formats with high relevance for sustainable agriculture.

- CITROFOL® AI is highly compatible with microbial biocontrol and biostimulant agents, improving their shelf life and simplifying formulation
- CITROFOL® AI as a tank-mix adjuvant improves the efficacy of herbicides against unwanted weeds without damaging non-target plants
- Hands-on protocols for CITROFOL® rheology modification are available, facilitating successful formulation of stable yet readily pourable, water-free suspensions

Plant nutrition

Jungbunzlauer offers highly plant-available mineral nutrients designed for optimal plant absorption in fertigation systems.

- Tripotassium citrate with its outstanding abilities as liquid plant fertiliser – adequate solubility, fast dissolution, low electrical conductivity – effectively delivers high quantities of potassium to crop plants, ensuring their health and growth
- Gluconate works as efficient complexing agent for mineral nutrients like iron, copper, manganese and zinc in water-soluble fertilisers
- Citric acid adjusts the pH level in soil, fertigation systems, and nutrient solutions for higher yields through increased nutrient uptake

In vitro plant propagation

Jungbunzlauer ingredients confer excellent performance characteristics to in vitro growth media, thus providing the base for high-quality and economically efficient plant tissue culture.

- Xanthan gum in combination with other hydrocolloids, like locust bean gum or konjac gum, forms firm, elastic and clear media. Plants growing on media containing xanthan gum show excellent performance
- Citric acid and citrates have powerful antioxidant properties, thus preventing undesirable browning of explants

Sustainability

Jungbunzlauer ingredients facilitate the path to a sustainable future in agriculture. They can be utilised across various agricultural applications, such as optimising green formulations and coatings, and serving as adjuvants, fixatives or fertilisers. These versatile solutions not only contribute to the development of more natural and sustainable agricultural practices but also offer cost-efficient alternatives.

By utilising Jungbunzlauer's ingredients, the agricultural industry can embrace greener and healthier practices that align with the evolving needs of the environment and future generations.

Sustainability is also deeply anchored in Jungbunzlauer's corporate strategy and philosophy, making us a valuable partner to address a next-generation sustainable agriculture. To learn more about our corporate and local sustainability initiatives, please visit our website, where you will find detailed information about our approach to sustainability and have access to our latest Sustainability Report.

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