



# How to Improve Sprayability While Preventing Run-Off

## Natural and Functional Fiber Agents for the Production of Fertilizer Liquids

### YOUR CHALLENGE

Xanthan Gum works as a thickener in liquid fertilizers. However, the spraying process becomes more difficult. This places higher demands on the spraying equipment.



#### How to Solve it

Replace conventional stabilizers, such as Xanthan Gum, to create stable but thixotropic liquid fertilizers.



#### Which Fiber Works

Microcrystalline Cellulose Gels (MCG) from the VIVAPUR® and ARBOCEL® Fiber Group as a plant-based alternative to classic thickeners, such as Xanthan Gum, which are less thixotropic.



#### How it Works

MCG Stabilizers offer flexible viscosity parameters. This mechanical stress during filling and spraying reduces viscosity. At the resting phase in storage and after spreading to the plant however the viscosity increases.



#### How to Use it

0.5- 2.5% addition in water and activation by shear forces before adding fertilizer components. Direct activation in the fertilizer solution is also possible but requires higher shear forces.

Choose the most modern and sustainable way to optimize your production of liquid fertilizers:

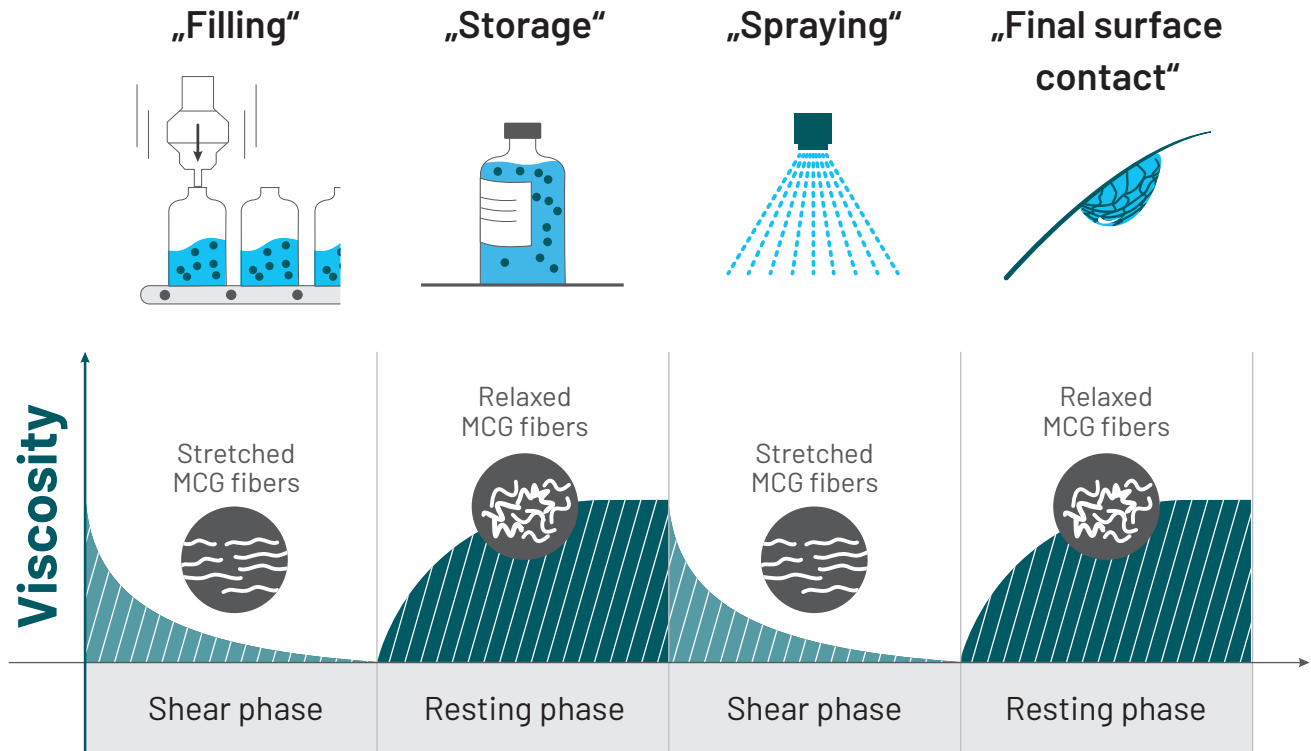
Building on experience in virtually every industry sector, JRS Plant Fiber Agents have proven to be true solution providers in managing properties of all liquid substances. In fluid fertilizers and gels any kind of requirements in anti-settling, sprayability, anti-rinse-off, thixotropy and thickening can be managed by our organic agents.



ARBOCEL® and VIVAPUR® MCG for thixotropy

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## How Thixotropic Thickeners Make Fertilizers Smarter:



Contact us

[www.jrsplantcultivation.com](http://www.jrsplantcultivation.com)



**Disclaimer**  
 The above mentioned information is based on our practical knowledge and experience and is meant to be helpful when using our products. Due to the different materials and processes involved, we recommend in any case, adequate testing at your company or consultation with us. We cannot be held liable for this information.

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