



# How to Improve Classical Build-Up Agglomeration

## Natural and Functional Fiber Agents for the Production of Fertilizer Granules and Prills

### YOUR CHALLENGE

Many components of formulations make it hard to achieve a smooth and fast granulation. Granules become irregular in shape, size and their composition gets inhomogeneous. The manufacturing process takes longer than necessary.



#### How to Solve it

By optimizing the adhesion between the particles, granulation in build-up agglomeration will be more consistent and smooth. As a result, the product properties of the granules can be optimized.



#### Which Fiber Works

HPMC binders\* of the ARBOCEL® Fiber Group.



#### How it Works

Formation of a bonding bridge by means of a thin elastic film, which is created using HPMC binders. This results in a strong, elastic cross-linking of all particles.



#### How to Use it

Addition of 2-6% HPMC solution depending on required viscosity.

\* 100% plant fiber, non ionic, non toxic, soluble in cold water, enzyme resistant ph stable (ph 3-11), big range of viscosities (3-40000 mPas)

Choose the most modern and sustainable way to optimize your production of fertilizer granules, prills and mini prills:

Building on experience in virtually every industry sector, JRS Plant Fiber Agents have proven to be true solution providers in roller compaction, build-up agglomeration and problem solving for anti-caking or dust reduction!

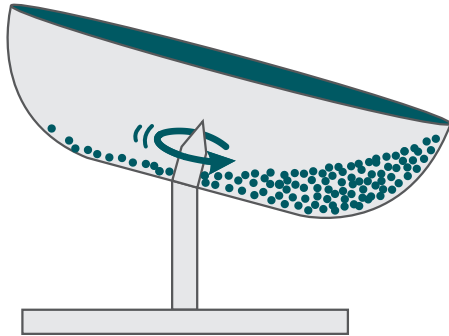


ARBOCEL® HPMC for build-up agglomeration

## How to Improve Classical Build-Up Agglomeration

### Improve Build-up Agglomeration

- > Fast, consistent agglomeration
- > Suppression of dust formation



### ... and Optimize Your Granule Structure!

- > Uniform size
- > Consistent weight
- > Free-flowing
- > Break resistant, low abrasion due to closed surface ideal for all common dosing techniques like scatter dosing and point dosing.



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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