



# How to Improve Roller Compaction

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

### YOUR CHALLENGE

Material mix is often difficult to process. Too much scrap material is produced in the compression process. End products become inhomogeneous, too brittle or have low abrasion resistance.



#### How to Solve it

By improving the compressibility of the material during roller compaction, the compressing process runs more smoothly and the product properties of broken granules, prills and mini prills can be optimized.



#### Which Fiber Works

Compression agents of the ARBOCEL® Fiber Group. Contact us for the identification of the right compression agent which strongly depends on the physical conditions of your fertilizer.



#### How it Works

ARBOCEL® Fibers in the dry premix ease the compression with simultaneous control of elasticity and density. The fibers create a stable microstructure under rolling pressure.

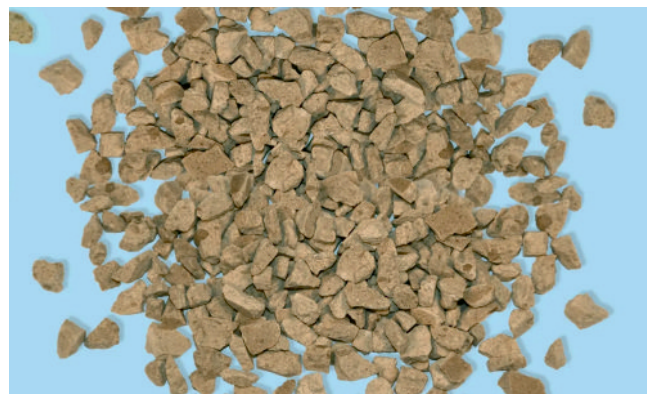


#### How to Use it

Required quantity in dry premixes depends on specific formulation of the fertilizer. Individual consulting is offered by the JRS Technical Application Center.

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!

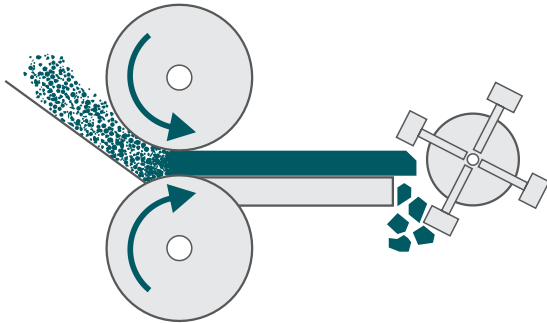


ARBOCEL® for roller compaction

# How to Improve Roller Compaction

## Improve Your Compaction Process

- > More homogeneous premixes: no material clumping
- > More stable granules with uniform and lower roll pressure with less energy consumption, less machine wear, with less heat development
- > Consistent, uniform compaction, despite high material thickness
- > Thicker compressed layer possible
- > Less fines during final breaking step into granules
- > High throughput, increased efficiency



## ... and Granule Properties!

- > Granulate particles become more abrasion resistant
- > Particle shape, structure and size can be adjusted to all common application techniques for granulated fertilizer
- > Anti-caking: no clumping of the finished granules



### 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.

Contact us

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



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