

# How to Improve Direct Tableting

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

### YOUR CHALLENGE

Fertilizer and micronutrients are often cubic and hard to compact to stable tablets. Much force input is required. Nevertheless, tablets can be weak and breakable.



#### How to Solve it

Control tablet properties such as density, elasticity and deformability to enable direct tableting in a low-pressure, gentle, single-stage process.



#### Which Fiber Works

Functional agents of the ARBOCEL® Fiber Group and VIVAPUR® MCC (microcrystalline cellulose).



#### How it Works

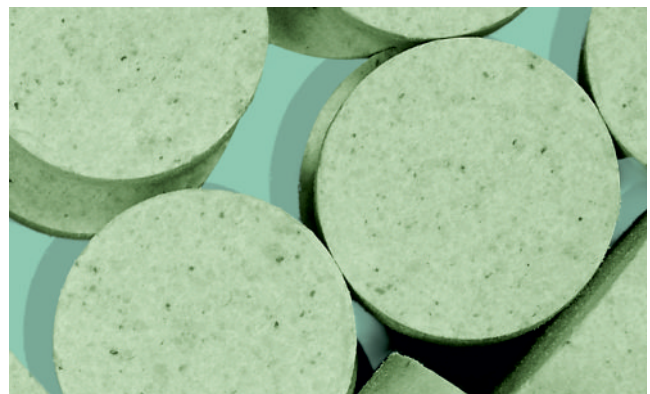
Due to the crystallines uniform arrangement in a geometry, no large pressure input is required to form stable tablets.



#### How to Use it

Application amount depending on formulation, individual consulting by the JRS Technical Application Center.

Choose the most modern and sustainable way to optimize your production of fertilizer tabs:  
Building on experience in virtually every industry sectors, JRS Plant Fiber Agents have proven to be true solution providers in tableting and disintegration, as well as problem solving like mold release!

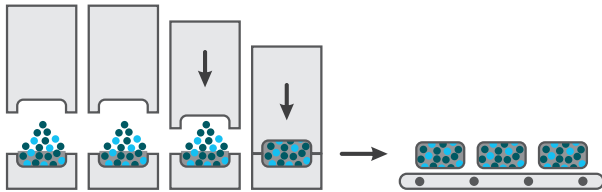


ARBOCEL® and VIVAPUR® MCC for direct tableting

## How to Improve Direct Tableting

### Improve Your Tableting Processes

- > Gentle tableting (without noticeable temperature rise)
- > Low pressure tableting
- > Suitable also for temperature and pressure-sensitive agents, such as microbes
- > Fast, single-stage tableting
- > No need for pre-compaction, no premixes with granulation necessary: many differently structured raw materials can be tableted in a single formulation
- > JRS substances are free-flowing for dosing via hopper for tableting
- > Compatible with all common tablet lubricants
- > Enables the mixing of liquids on ARBOCEL® Carriers



### ... and the Product Properties of Your Fertilizer Tabs!

- > Enables precise shapes of tabs and small tablets
- > High compressive strength
- > Homogeneous distribution of the ingredients
- > Distribution (mixing) of the ingredients within the total volume
- > Constant tablet weight
- > Abrasion resistant for dust-free handling
- > The dissolving behaviour of the tab can be controlled by individual pressure entry



Contact us

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