LUVITEC® and LUVICROSS® for Agricultural Applications

Optimize your products with the various and unique properties of polyvinylpyrrolidones.

www.luvitec.com

A broader base for your success
LUVITEC® and LUVICROSS® for Agricultural Applications

Applications
Polyvinylpyrrolidones can be used in different agricultural applications such as:
- Crop Protection
- Seed Coating
- Seed Treatment
- Seed Pelletizing
- Fertilizer

Products
LUVITEC® K 17, K 30, K 90 and LUVICROSS®

LUVITEC® VA 64

Drum coater for granulating, seed coating and seed treatment

Solution, suspension, dispersion and microencapsulation for crop protection

Batch fluid bed systems for granulating, coating and pelletizing

Extruder, shear mixer spheronizers, pelletizers for granulating and pelletizing
Advantages of LUVITEC® and LUVICROSS®

Due to the special chemical structure of Polyvinylpyrrolidone, LUVITEC® and LUVICROSS® have unique functions and properties:

- Advanced binding and adhesive properties
- Optimized film formation and fixation of ingredients
- Compatibility with chemical ingredients and bacteria
- Advanced crystallization inhibitor and dispersant for agrochemical active ingredients
- Control of viscosity
- Protective seed coating
- Seed dust reduction
- Improvement of seed germination
- Moisture absorption control
- Non phototoxic
- Environmentally safe
- and many many more
Polyvinylpyrrolidones (PVP) for Agricultural Applications

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[1] Powder or 30% aqueous solutions
[2] Powder or 20% aqueous solutions
[3] Powder or 50% aqueous solutions

LUVITEC® K
are water soluble homopolymers which cover a broad molecular weight and viscosity range.

LUVICROSS®
is a crosslinked and insoluble homopolymer with advanced adsorption properties. Due to the outstanding swelling properties, LUVICROSS is used as disintegrants.

LUVITEC® VA 64
are copolymers based on vinylpyrrolidone and vinyl acetate. In comparison to the homopolymers, LUVICROSS VA 64 shows a reduced moisture absorption and lower glass transition temperature (105 °C ).