

OptiCell®

fibre concentrate from insoluble,
fermentable lignocellulose



For decades, the focus was on improving the digestibility of nutrients in the small intestine - the necessary supply of „fibre“ was lost from sight. agromed focuses on the basic digestive physiology and has developed OptiCell®, an innovative lignocellulose product that closes the gap between the physiological needs of animals and the challenges of performance-oriented feeding as a fibre concentrate.

The answer to the challenges of modern animal nutrition

OptiCell® is a natural solution, comprising of micronized insoluble and fermentable dietary fibre originating from the tree trunk, including both: cambium and bark.

Performance loss due to digestive disorders

Health problems, digestive disorders, stress and reduced animal performance are problems faced by livestock owners worldwide. The cause can be the impairment of the normal physiological function of the digestive tract due to a lack of dietary fibres.





Most important effects at a glance

- ✓ OptiCell® supports gut health by having a positive effect on gut flora, reducing the risk of gut illnesses, constipation and diarrhoea
- ✓ Improves nutrient absorption and utilisation
- ✓ Improves productivity and performance

OptiCell® – for a functional digestion

OptiCell® is a natural solution, comprising of micronized insoluble and fermentable dietary fibre originating from the tree trunk, including both: cambium and bark. The proportion of insoluble and at the same fermentable fibres is responsible for the physiological effects and promotes the formation of short-chain fatty acids – especially butyric acid. The micronized, inert particles have „physical“ effects. They regulate the passage rate and through their large surface area, optimize the contact of the digestive enzymes with the digesta. OptiCell® thus ensures for the development of a healthy digestive system, regulates intestinal peristalsis and promotes a healthy microflora. A well-functioning gut reduces animal stress, while optimising performance and productivity.



Sows: Supports the sow during gestation, farrowing and lactation. Promotes larger and uniform litters and improved piglet vitality

Piglets: Improves safety during weaning through better gut health and a reduction in cases of diarrhoea. Increases daily weight gain and weaning weights.

Growers/Finishers: Improves daily weight gain. Stabilises stomach and gut health and prevents non-specific diarrhoea



Breeders and pullets: Optimises the development of the digestive organs; optimises feed absorption. More eggs per new pullet.

Laying hens: Improves laying performance and duration. Quieter birds, less feather picking

Broilers: Improved faeces quality and healthier footpads. Increased feed absorption and weight gain as well as improved feed utilisation.

As a fibre concentrate composed of insoluble and fermentable dietary fibre, **OptiCell®** meets all the requirements of nutrition physiology and performance-based feeding.

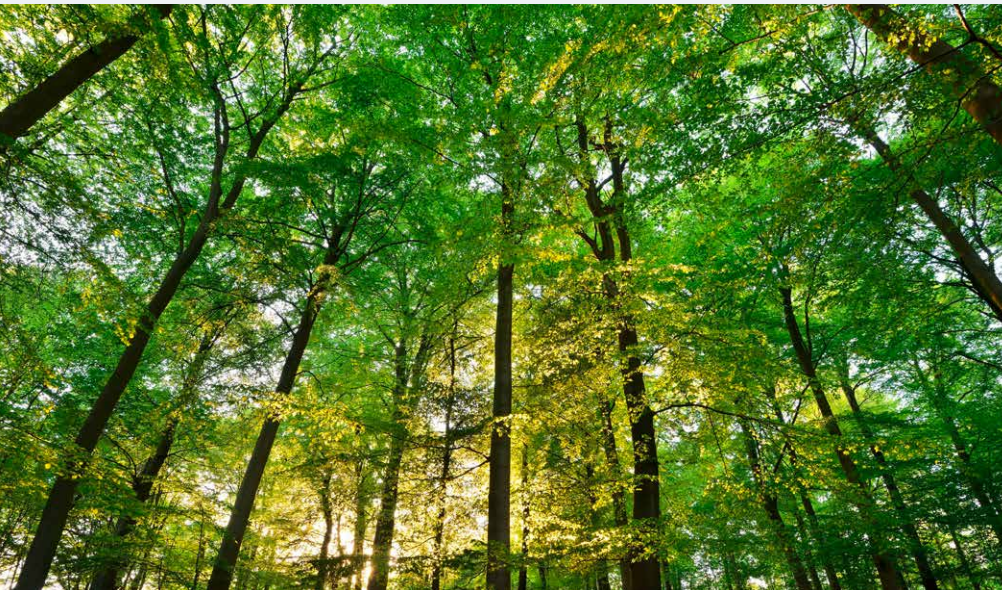


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natural effects

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Lignocellulose

Lignocellulose is a natural ingredient found in wood, which is a renewable raw material. We obtain its natural fibres from untreated new wood, felled in sustainably managed forests in Germany. Various parts of the trunk are combined, finely ground and made into standardised, high quality products that increase efficiency.