



BetaMOS BV

Non-antibiotic Growth Promoter for Ruminants

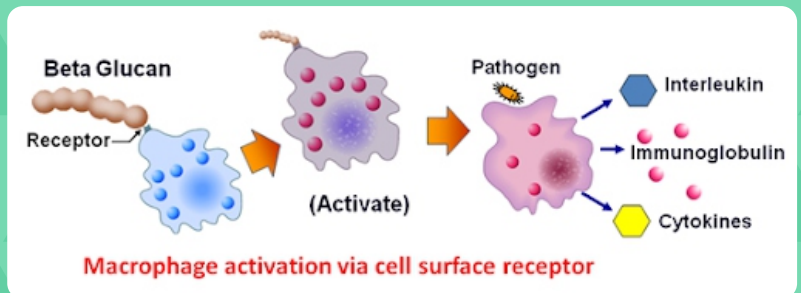
Beta-glucans are naturally occurring polysaccharides with well-known health benefits. They are abundantly present in the cell walls of many micro-organisms and cereals. There are different types of β -glucan. Beta-glucans from yeast and fungi, so called $\beta(1\rightarrow3)(1\rightarrow6)$ - β -glucans, have beneficial effects as supplements (Zhu et al., 2016).

Improving the development of the gastrointestinal in calves

The gastrointestinal tract of weaning calves is still underdeveloped, resulting in a suboptimal nutrient digestibility. Supplementation of yeast β -glucan to the young calves' diet helps in improving the composition of the intestinal microflora, with decreased numbers of pathogenic E. coli and increased numbers of commensal Lactobacillus (Zhou et al., 2009).

Boosting the immune system of weaning and adult ruminants

Newborn calves have an immature immune system. Therefore, in the preweaning period, calves are highly susceptible to infections by pathogens. Yeast β -glucans play an important role in the activation of both innate and adaptive immune systems. They activate macrophages, a key component of the non-specific (innate) immune system.

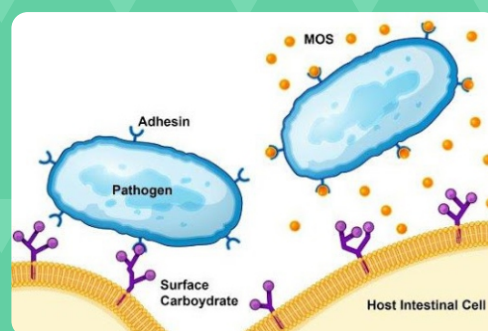
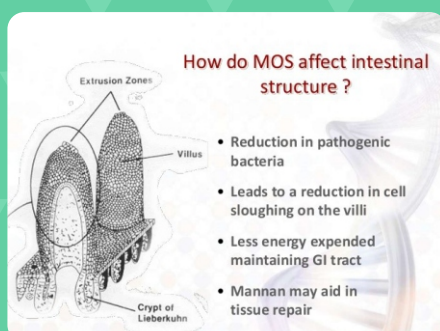


Reducing mastitis

Dietary supplementation of yeast β -glucans to lactating ruminants decreases the white blood cell count in milk; thereby improve the health status of the mammary gland (Zabek et al., 2013).

Effect of MOS on Ruminants

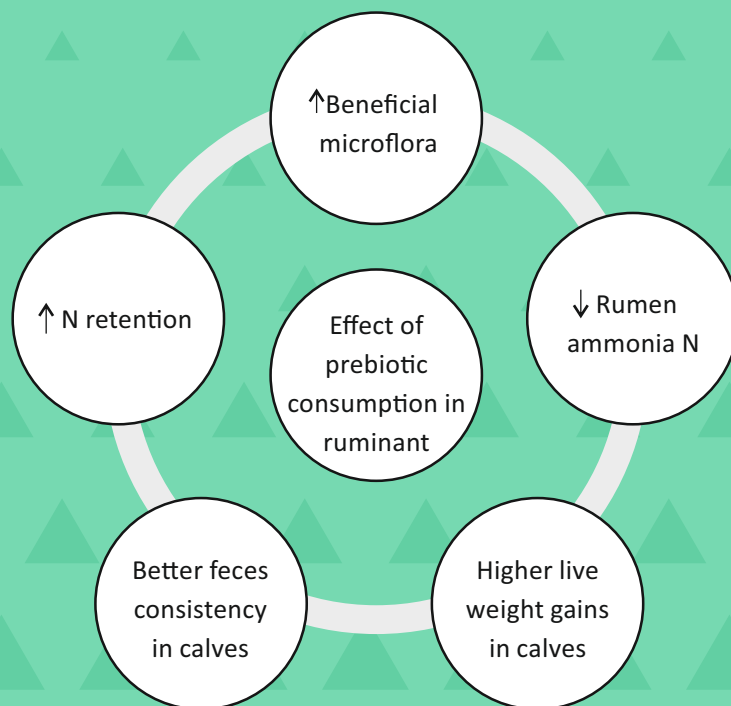
MOS have a regulatory effect on ruminal pH in vitro, reducing the death of Gram-negative bacteria in the rumen. It acts as an adjuvant by stimulating the production of mannose-binding proteins (collectins) in cattle. MOS lowers the coliform concentrations in dairy heifers.



BetaMOS BV is an ideal feed additive comprises of fermentation soluble solids as well as a source of metabolites specially designed to stimulate rumen fermentation and the rumen microbial population.

Benefits

- Improves height of the intestinal villi and the villous height to crypt depth ratio.
- Modifies microflora fermentation to favor the nutrient availability for the animal
- Decreases the risk of Acidiosis.
- Optimizes the Rumen microbial activities which lead to higher feed intake, fiber digestion and microbial synthesis.
- Inhibits colonization of enteric pathogens by blocking bacterial adhesion to gut epithelium
- Exhibits protective effects against bacteria and other pathogens
- Promotes higher milk production, lower mortality rate and reduces cull cow numbers
- Boost the immune responses to prevent or reduce the infections



Recommended Usage:

Cow & Buffalo: 10-15 gm per day or as directed by Veterinarian/Nutritionist

Presentation:

15 gm, 300 gm, 1 Kg & 25 Kg Bag



Free From Hormones & Antibiotics

Animal Feed Supplement

Not For Medicinal use

Not For Human Use

Catalyst LifeSciences Pvt. Ltd.

An ISO 9001:2015, ISO 14001:2015, HACCP Certified Company

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