

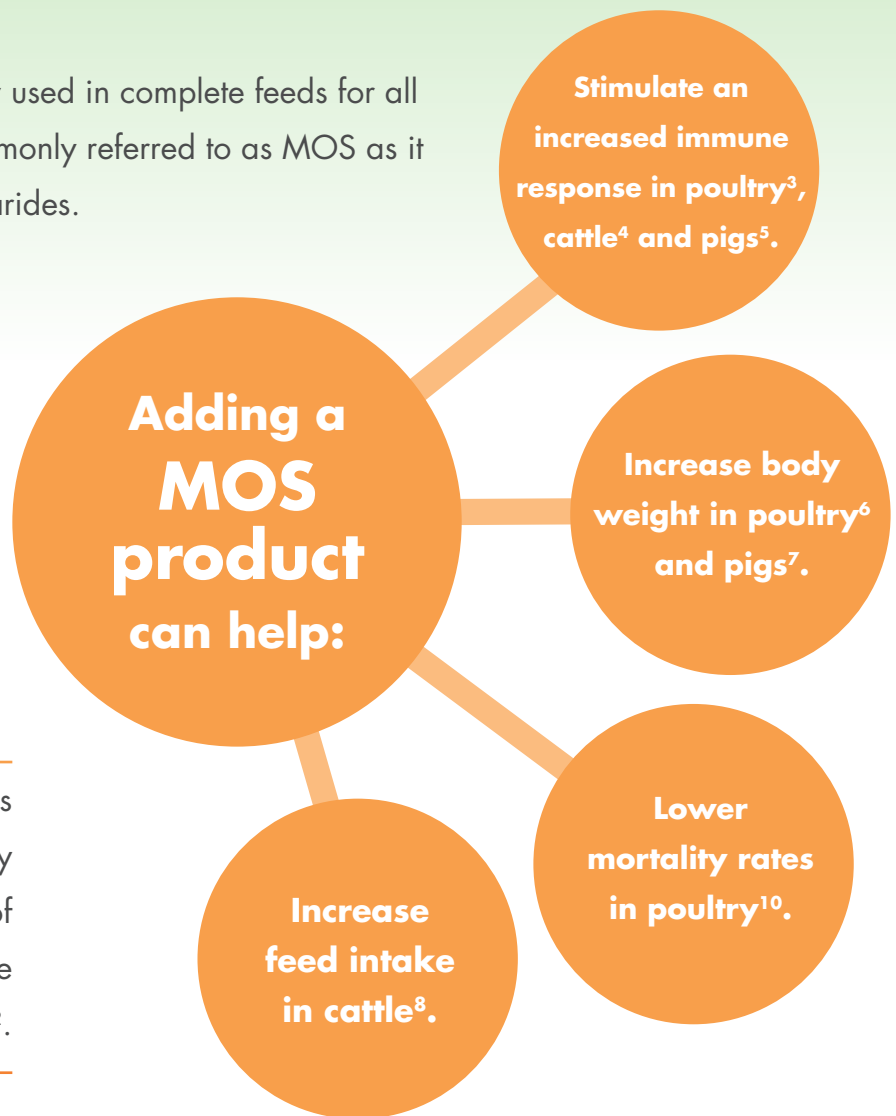
Agrimos®

Agrimos® is a yeast product, exclusively used in complete feeds for all animal species. This type of product is commonly referred to as MOS as it contains high levels of mannan oligosaccharides.

Prebiotic benefits

Agrimos is a prebiotic, and the benefits of prebiotics in increased gain and immune function can enhance - or even replace - the traditional roles of antibiotics¹.

Prebiotics are non-digestible feed ingredients that beneficially affect the host by selectively stimulating the growth and/or activity of bacteria species already established in the colon, and thus in effect improve host health².



Lallemand Animal Nutrition Product Quality

As a leader in the identification of microbial strains for specific applications, Lallemand Animal Nutrition guarantees Agrimos as the best MOS product for use in animal feeds. All stages of the production process are carefully monitored, from the yeast strain to the end product.

Quality Counts

Not all MOS products are created equal. A higher quality product helps ensure the maximum benefit and impact on the intestinal condition. Below are several considerations to take into account when assessing MOS product quality.

MOS QUALITY CONSIDERATIONS	OTHER MOS	Agrimos [®]
PRODUCT ORIGIN	Distillery/Brewery by-products	Primary fermentation
SPECIFIC PRODUCTION PROCESS	no	yes
SPECIFIC YEAST STRAIN	no	yes
GUARANTEED PRODUCT QUALITY	no	yes
PHYSICAL APPEARANCE OF THE PRODUCT	Heterogeneous particles Dark color	Fine and uniform particles Light cream color

Typical Levels

The higher the typical level of mannans and β -glucans in the product, the higher the product quality. As shown at right, Agrimos consistently has higher levels of mannans and β -glucans than the competition.²

¹Parks. The Effect of Mannan oligosaccharides, Bambermycins, and Virginiamycin on Performance of Large White Male Market Turkeys.

²Gibson GR, Roberfroid MB. Dietary Modulation of the Human Colonic Microbiota: Introducing the Concept of Prebiotics. *J. Nutr.* 1995; 125: 6 1401-1412.

³Shashidhara, RG., Devegowda, G. 2003. *Poultry Science*. 82(8): 1319-1325.

⁴Franklin, S.T., et al. February 2005. *Journal of Dairy Science*. 88(2): 766-775.

⁵Zhao, P.Y., et al. March 2012. *Journal of Animal Science*. 90:833-839.

⁶Sims, M.D., et al. 2004. *Journal of Poultry Science*. 83(7): 1148-1154.

⁷Rodrigues-Zas, J.C., Pettigrew, S.L. 2004. *Journal of Swine Health Production*. 12(6): 296-307.

⁸Heinrichs, A.J., et al. December 2003. *Journal of Dairy Science*. 86(12): 4064-4069.

⁹Hooge, D.M. 2004. *International Journal of Poultry Science*. 3:163-174.

¹⁰Dr. Nisamedtinov, Ildar. Lallemand Competence Center, Estonia. 2012.

Agrimos is a registered trademark of Lallemand Animal Nutrition. Not all products are available in all markets nor all claims allowed in all regions.

