

FRA[®] BUTYRIN HYBRID

Stimulate Intestinal Health and effective Pathogen Control

- » Intestinal integrity
- » Microbiome balance
- » Modulates fat metabolism
- » Control Gram- bacteria



MICROBIOME BALANCE

ADISSEO
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INTESTINAL HEALTH

Tributylin delivers a high percentage of butyric acid to the intestine which is involved in several processes. Tributyrin induces the formation of tight junctions, which improves the intestinal barrier function. This allows nutrients to be absorbed, while keeping toxins and pathogens in the lumen. Furthermore, tributyrin improves villi development, increasing the surface area for nutrient absorption. **Intestinal health** and **intestinal integrity** are further established by the anti-oxidative characteristic of tributyrin, combined with its anti-inflammatory effects controlling the inflammatory response, saving energy for growth and performance. All positive effects of tributyrin will lead to an improvement in intestinal health and consequently in an improvement in animal health and performance.

PATHOGEN CONTROL

FRA® Butyrin Hybrid Dry effectively controls pathogens via direct and indirect pathways with a unique combination of alpha-monobutylin and tributyrin. Monobutylin has a direct anti-bacterial effect against most **Gram-negative bacteria**. Monobutylin can affect the DNA of bacteria, interrupting toxin production and normal cell division. Tributyrin improves intestinal development, creating a strong intestinal barrier against pathogens. Hence, pathogens are controlled indirectly.

These benefits of FRA® Butyrin Hybrid Dry result healthier intestines, effective pathogen control and improved animal health & performance.

COMPOSITION

- » Glycerides of butyric acid

CHARACTERISTICS

- » Available in Dry
- » Heat stable & non-corrosive
- » Neutral taste and odour
- » Available in 25 kg bag, 1000 kg big bag and bulk

DOSAGE

- » **Broilers:** 1.0 - 2.0 kg/ton
 - » **Laying hens:** 1.0 – 2.0 kg/ton
 - » **Sows:** 2.0 kg/ton
 - » **Piglets:** 1.0 – 2.0 kg/ton
- For specific dosage advice, contact your technical salesperson

BROILERS

MEAT

Fillet yield

+2.1%



EPEF

Improved European Production Efficiency Factor

+29.2pnts



FCR

Reduced Feed Conversion Ratio

-3pnts



LAYING HENS

SHELL STRENGTH

Stronger eggshell (kgf)

+3.5%



VILLI HEIGHT

Crypt depth ratio

+18.9%



FCR

FCR / g of egg mass

-13pnts



PIGLETS

ADWG

Increased Average Daily Weight Gain

+3%



ROI

Return on Investment

+9.95



FCR

Reduced Feed Conversion Ratio

-7.7pnts



Above results show average values compared to the control group.

Data from this flyer is based on our current knowledge and experience. Since many factors can affect the performance of our product during and after application, processors are responsible for conducting their own tests and investigations. Certain statements or product associated claims may not be applicable in all geographical regions and can differ upon local governmental requirements.

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