

EASTMAN

Animal nutrition



Eastman Entero-Nova™ 400

A range of solutions for supporting swine and poultry health via feed

A range of specialized blends of monoglycerides of short- and medium-chain fatty acids

Eastman Entero-Nova™ 400 supports the healthy growth of swine and poultry by optimizing gut health. It can be used to control many major gram-negative pathogenic bacteria without harming beneficial bacteria while reducing inflammation. Entero-Nova 400 is designed for use in feed and is available in both liquid and solid form.

Pathogen control and gut support

Entero-Nova 400 offers comprehensive solutions for enhancing animal well-being. By effectively controlling harmful gram-negative pathogens such as *E. coli* and *Salmonella* while preserving beneficial bacteria like *Lactobacillus*, Entero-Nova 400's pH-independent activity allows it to function efficiently throughout the entire gastrointestinal tract, providing consistent protection and support.

The monoglycerides in Entero-Nova 400 deliver superior pathogen control compared to free fatty acids, making it a potent tool in maintaining intestinal health. By optimizing intestinal morphology and physiology, the product ensures that animals can absorb nutrients more effectively, leading to improved overall health and performance.

Application

- Broilers, layers and breeders: 0.5–2.0 kg/ton
- Turkeys: 1.0–3.0 kg/ton
- Pigs: 1.0–4.0 kg/ton

The specific inclusion rate will depend on the objective of the product application and the product type (liquid or solid). Please discuss this with your Eastman representative.

Stress management and performance optimization

Entero-Nova 400 is particularly beneficial during periods of higher stress, such as weaning, feed changes and vaccination, supporting animals through these challenges.

Furthermore, it modulates the microflora to reduce the risk of dysbiosis, fostering a healthier intestinal environment. This comprehensive approach not only supports animal health but also optimizes performance, making it an invaluable addition to any animal health regimen.

Tailored solutions for unique needs

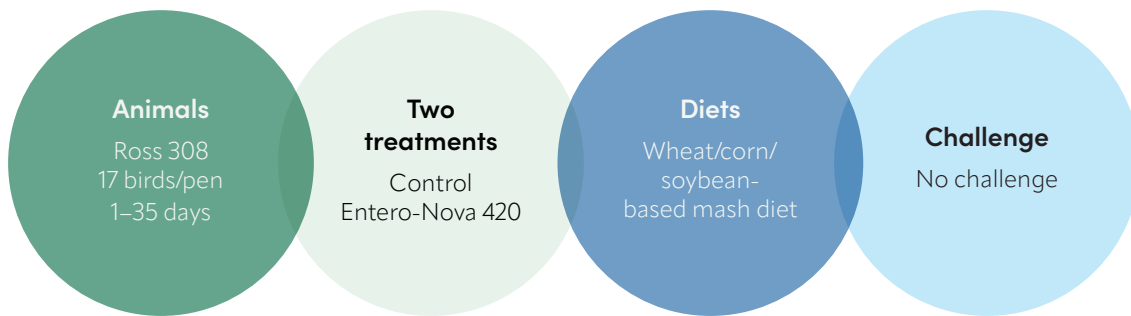
Additionally, Entero-Nova 400 is customizable through different combinations, allowing it to be tailored to specific needs and conditions. For example, combining Entero-Nova 400 and Entero-Nova 200 to create Entero-Nova 420 delivers synergistic benefits, showcasing the powerful customization options available.

Technical product characteristics

- Monoglycerides of short- and medium-chain fatty acids (C1, C3, C4, C8, C10) with synergistic effects
- Neutral taste and odor
- Good thermostability and flowability
- Noncorrosive

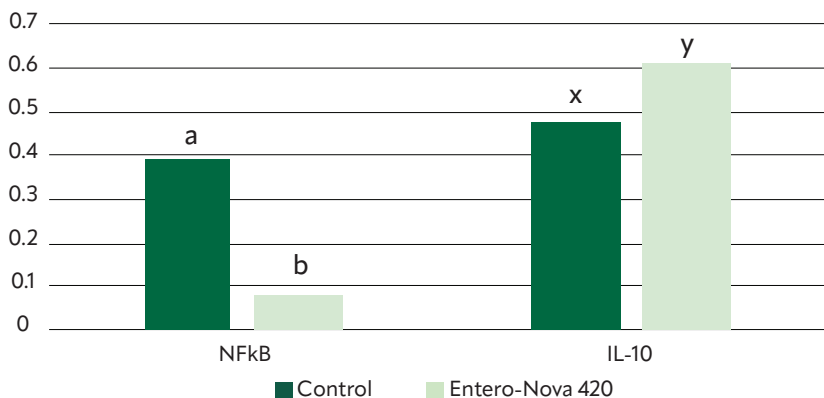
Proven efficacy

Broiler trial at UWM (Poland)



Treatment	Body weight, kg		Feed intake, g/day		Feed conversion ratio (FCR), kg/kg	
	14 days	35 days	0–14 days	0–35 days	0–14 days	0–35 days
Control	0.446 ^b	2.141 ^b	28.8	102.7	1.021	1.502 ^y
Entero-Nova 420	0.466 ^a	2.214 ^a	29.6	104.9	0.998	1.472 ^x
p-value	0.002	0.009	0.208	0.349	0.340	0.094

Gene expression: jejunum



Significance declared at $P \leq 0.05$ (a and b) and $0.05 \leq P \leq 0.10$ (x and y) was considered as a near-significant trend.



The combination of Entero-Nova 400 and Entero-Nova 200 (420) significantly improved body weight and FCR by day 35. This combination product downregulated the gene expression of NfκB and showed a tendency to increase the anti-inflammatory cytokine IL-10, indicating a lower inflammatory response.

Certain statements may not be applicable in all geographical regions.

EASTMAN

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