

EASTMAN

Animal nutrition



Eastman Entero-Nova™ 200

Growing healthy swine and poultry

Advanced gastrointestinal support with butyric acid esters

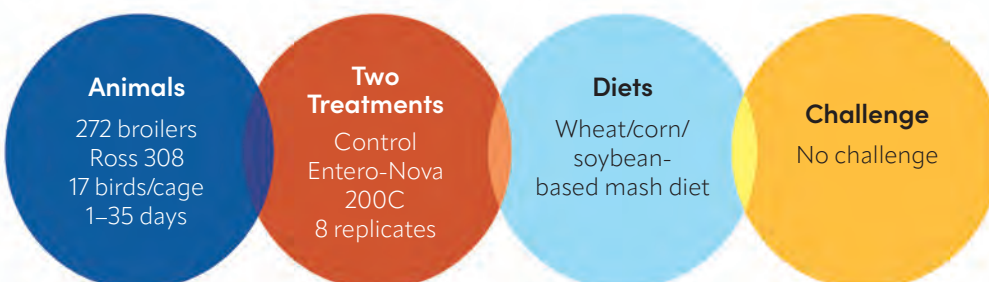
Eastman Entero-Nova™ 200 is a concentrated product line composed of butyric acid esters, specifically monobutylin and tributyrin. The esterification process reduces the typical handling issues of butyric acid. The result is a product with low odor and corrosivity that remains stable during feed processing and pelletization. This formulation allows for the gradual release of butyric acid throughout the gastrointestinal (GI) tract, maximizing its beneficial effects. The product enhances intestinal functionality by increasing absorptive surface area and improving barrier functions, while also modulating inflammation and systemic stress responses. Entero-Nova 200 is available in both liquid (200L) and solid (200C) forms for feed use.

Proven enhancements in growth and intestinal health

Butyric acid inclusion is a suitable measure to improve performance while reducing stress and related inflammatory processes. However, the efficacy is dependent on the type of butyric acid supplement. Butyrate is known to improve the balance of gut microbiota (Borda-Molina et al., 2021). It enhances intestinal barrier integrity, influences intestinal epithelial cell proliferation, and supports regulation of epithelial inflammation through production of anti-inflammatory cytokines (Salvi and Cowles, 2021).

Proven efficacy

Trial 1: Broiler trial at the University of Warmia and Mazury in Olsztyn, Poland



Application rates

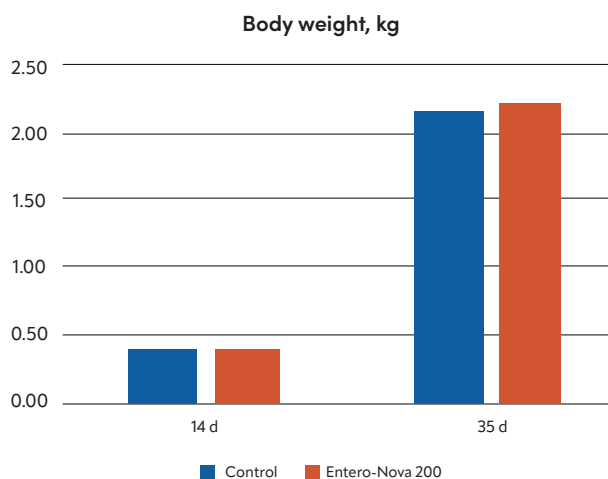
Solid product

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

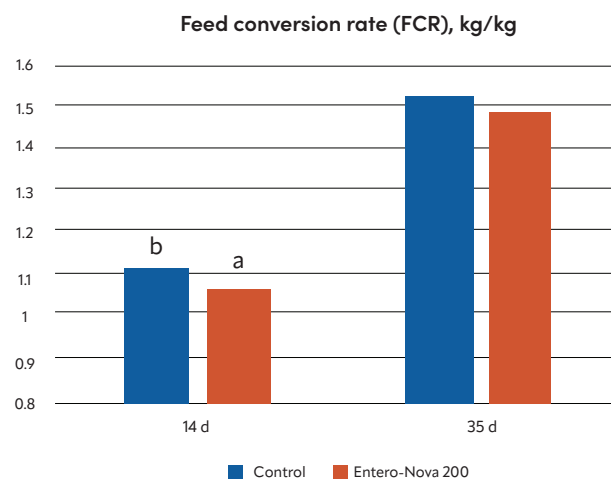
The specific inclusion rate will depend on the objective of the product application and product type (liquid or solid). Discuss your goals with an Eastman representative.

Technical product characteristics

- Concentrated blend of monobutylin and tributyrin
- Neutral taste and odor
- Good technical and handling properties
- Heat stable and noncorrosive



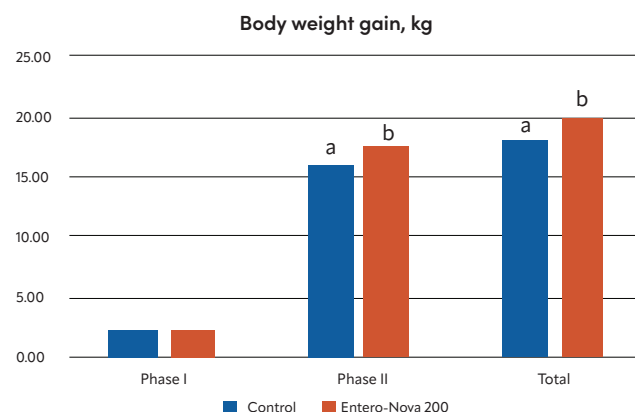
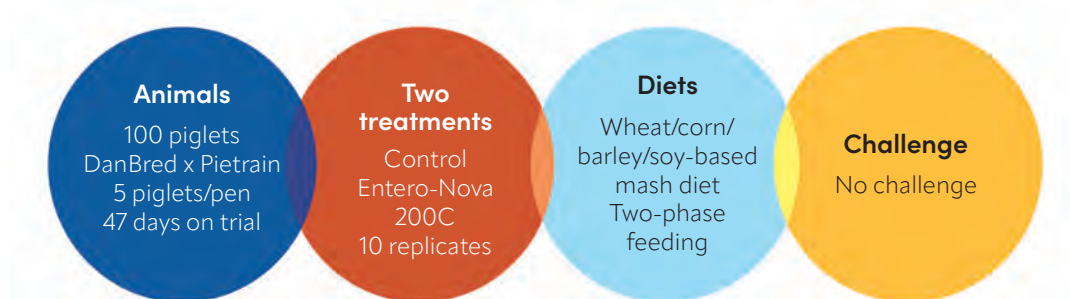
Different letters indicate statistically significant differences ($P \leq 0.05$).



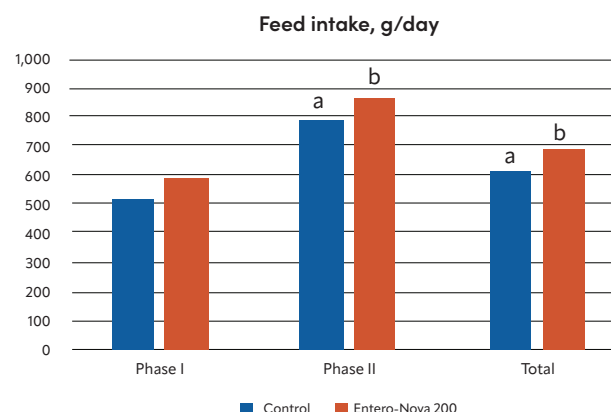
Different letters indicate statistically significant differences ($P \leq 0.05$).

Birds supplemented with Entero-Nova 200 showed significantly improved FCR at day 14 of age.

Trial 2: Piglet trial at the University of Applied Sciences in Bingen, Germany



Different letters indicate statistically significant differences ($P \leq 0.05$).



Different letters indicate statistically significant differences ($P \leq 0.05$).

Entero-Nova 200 significantly increased feed intake and body weight in weaned piglets compared to the control.

EASTMAN

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