



RepaXOL™

The only double coated microencapsulated blend of essential oils that allows stability during feed manufacturing, and favors sustained release throughout the small intestine.

Features

- RepaXOL contains a 22% concentration of a specific blend of essential oils.
- Gastric by-pass-release occurs slowly throughout the intestinal tract with essential oil release after the stomach.

Benefits

- Complex coacervation decreases the negative handling characteristics associated to non-encapsulated essential oils such as volatility, irritability, and poor stability.
- Stable in feeds and premixes, remains stable at 130 °C for 30 min.
- Low odor and free flowing.
- Lower inclusion and improved economics.

RepaXOL- Complex Coacervation Technology

A unique encapsulation technique for essential oils, that allows an added stability and a cost effective application. During this process, a uniform layer of protein encapsulate is formed around the suspended essential oils to create the RepaXOL granules.

RepaXOL- Heat stability



RepaXOL



Competitor

After 30' at 100°C maintains same concentration of E.O.

After 30' at 130°C RepaXOL is still completely stable. No physical alteration is observed, and the activity of ingredients is maintained. The competitor product melts forming a single oil layer losing activity.

Competitor evaluation

RepaXOL compared to different growth promoters in broiler chicks.

Age	Control	Bacitracin Methylene Disalicylate	Manan - Oligosacharides	RepaXOL
Body weight (kg)				
Day 42	1.88 ^a	2.00 ^b	1.97 ^b	1.98 ^b
FCR (kg:kg)				
Day 42	1.922 ^a	1.797 ^b	1.825 ^b	1.805 ^b
Relative cost/kg BW (%)				
0 to 42	100	94	95.8	94.9

^{a,b} Different letter superscripts correspond to significant differences P<0.05

Performance of post weaned piglets (10 to 35 days)

Parameters	Control	RepaXOL	Difference
Number of Piglets	20	20	0
Initial BW (kg)	2.15	2.15	0
Final BW (Kg)	8.80	10.21	1.41
Feed Intake (g)	10.50	11.30	0.80
FCR (kg : kg)	1.58	1.40	-0.18
Morbidity	6	0	6
Mortality	1	0	1

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Application Guidelines

Recommendations for RepaXOL (g/t of feed).

Species	Pre-starter	Starter	Grower	Finisher
Swine	200	200	100	100
Turkeys	200	150	100	100
Broilers	100	100	100	100
Layers	100	100	100	100

Packaging and conditioning

20 kg carton box inside aluminum bags. Stable for 12 months when stored in a cool and dry place in the original package.



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