



LinaropAgri®

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LinaropAgri is feed additive, the product that neutralizes the negative physiological effects of certain components contained in rapeseed products for livestock feeding.

The physiological effects of rapeseed meal or rapeseed cake treated with 2.5% LinaropAgri:

- as a result of the treatment, substances composing of anti-nutritive glucosinolates in rapeseed and rapeseed products are digested by farm animals to a lesser degree than would cause pathological changes, and leave their systems with the faeces.
- Rapeseed cake treated by 2.5% LinaropAgri can be stored for 6 months without loss of quality.

The LinaropAgri at the feed:

- Untreated rapeseed meal - or rapeseed cake – produced as a byproduct of the vegetable oil-based production can only be mixed with livestock feed to a limited amount (3 – 8 % ratio) because of the harmful physiological effects of anti-nutritive components like glucosinolates, phenols and fibre content.
- Rapeseed meal treated by LinaropAgri is possible to increase by up to 30% in the complete feedstuff for monogasters in specific cases.

	Suggested max. % at feedstuff		
Pigs			
porker	piglet	porker-1	porker-2
	10	25	25
breeding animal	Growers	pregnant sow	milking sow
	25	25	25
Poultry			
	starter	grower	Finisher
broiler	10	25	25
turkey	10	20	25
waterfowl	22	30	25

- Based on **amino acid content and digestibility**, for feeding **swine**, {crude protein×dry matter×digestibility} the **Additive-enhanced rape product is equivalent to 85% soybean meal**.
- The ratio of the sulphur containing amino acids of soybean meal to lysine is ~20% lower than rapeseed meal, it is therefore not necessary to supplement the **Additive-enhanced rape product with methionine when fed to pigs**.
- The **lysine - methionine ratio** in the composition of the amino acids is **3:1**. As this ratio is **also characteristic of milk**, the product is ideal for feeding milch cows. (It is worth noting that the same ratio is insufficient in sunflower (1.5:1), and “excessive” in soybean (4:1).

Digestibility of crude protein	Cattle	Pigs	Poultry
Extracted soybean meal	85%	85%	72,6%
Extracted rapeseed meal	75%	75%	66.4%
Additive-enhanced rape product	98%	87%	77.0%

Dose and usage recommendation:

- if the rape product content of the feed is less than 15.0%, a premix should be prepared with 2.5% **LinaropAgri** and 97.5% **rape product (seed, goat and pellet)**,
- if the rape product content of the feed is higher than 15.0%, 2.5% **LinaropAgri** based on the mass of the **rape product (seed, goat and pellet)** should be mixed to the feed along with the premixes

Packing: bags 25 kg

Because of the increasing prices of the protein sources used for livestock feed, a dynamic growth on the market is expected for the product.

Exclusive distributor in Europe:

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