



- **numax Start**
concentrate 35%
- **numax Wean**
concentrate 25%
- **numax Link**
concentrate 5%

nuevo

numax concentrates are part of the **numax product range** which is specially designed for young piglets' nutrition.

The **numax concentrates range** is designed to meet the requirements of modern genetics and to help producers cope with the continuously increasing challenges in terms of management and the reduction of antibiotics and zinc.

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Low protein & balanced aminoacid profile

Most pathogenic bacteria use the non-digestible protein of the feed for their proliferation and growth, therefore the dietary protein reduction is a key factor in controlling post weaning diarrhea.

Nowadays, plenty of scientific data and numerous field trials, demonstrate that we can efficiently move from diets based on crude protein to diets based on digestible aminoacids without any negative impact on piglets' performance.

The standardized aminoacid profile of feed is critical in achieving both optimal growth and ideal feed intake. Special focus should be given to **Threonine**, which plays a major role in protein synthesis and intestinal health. **Valine** is the 5th limiting aminoacid and it's presence in feed is crucial for high feed intakes. Finally, **Isoleucine** and its ratio with **Lysine** is also important, as it is the next limiting aminoacid (after Valine) and can determine the feeds' protein level.

Intestinal Health

numax concentrates contain functional ingredients that regulate intestinal health, enhance nutrient utilization and contribute to a balanced gut microflora:

- **Combination of free and protected organic acids**

Most pathogenic bacteria prefer neutral pH for their development and, therefore, the use of organic acids can inhibit their activity. Organic acids have significant bacteriostatic activity as they interfere with bacterial metabolism, reduce pH and feed's acid binding capacity and improve both gut function and nutrient digestibility.

- **Medium Chain Fatty Acids (MCFA)**

MCFA have strong antimicrobial action due to their ability to penetrate into the pathogen's cell-intruder and break down its cell wall and cell membrane. At the same time, they can be easily absorbed and metabolized four times faster than the long chain fatty acids. This makes MCFA particularly effective, in terms of energy, especially in young piglets where the digestive system is not fully developed and therefore, not able to cover their energy needs.

- **Protected butyric acid**

The unique natural and chemical characteristics of butyric acid make it an important factor in piglet nutrition. The main advantages of its use are:

- a) Antimicrobial activity
- b) Immune enhancement
- c) Improved nutrient utilization (length of intestinal villus)

Dairy products and Lactose

Dairy products of high palatability, high digestibility and high in lactose ensure high feed intake from the early days of piglet's life and a smooth transition from liquid (milk) to dry feed.

Copper in chelated form

Copper bioavailability is a key factor in piglets' performance as it increases the lipase enzyme activity and the production of ghrelin, a hormone that regulates appetite.

Heat-processed cereals

numax concentrates are rich in heat-processed cereals, an excellent energy and protein source for young piglets.

Heat-processed soya protein

The high inclusion of heat-processed, high digestibility and low in anti-nutrient factors proteins in **numax concentrates** ensures maximum growth and ideal feed conversion rate.

Phytase superdosing

Phytate is an important anti-nutrient which reduces the bioavailability of the main nutrients in feed. Fast phytate degradation with the addition of high levels of phytase (superdosing) has beneficial effects in pig performance by **improving the utilization of aminoacids**.

Complete in All

numax range products ensure early feed intake, promote gut health and nutrients digestibility and contribute to high growth rates.

Nutrient release

		numax Start 35	numax Wean 25	numax Link 5
Net Energy	MJ/Kg	10.1	9.9	8
Protein	%	21.2	23.7	41.5
Oil	%	2.4	3.2	0.75
NDF	%	4	7.5	3.7
SID Lysine	%	2.275	2.665	9.935
Calcium	%	1.6	2.3	8
Av. Phosphorus	%	0.8	1	0.8
Sodium	%	0.55	0.71	4.64
Vitamin A	IU/Kg	42.858	60.000	300.000
Vitamin D3	IU/Kg	5.714	8.000	40.000
Vitamin E	mg/Kg	285	600	2.000
Chelated Copper	mg/Kg	225	324	1.500
Lactose	%	23.2	16.8	0
Inclusion	Kg/T	350	250	50

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22 Bridge Street, Cavan, H12 DE20, Co. Cavan, Ireland
tel: +353 (0) 49 430 4638 | e-mail: office@nuevo-group.com

Schimatari Viotias, 320 09, Greece
tel: +30 22620 57200-202 | fax: +30 22620 59325 | e-mail: info@nuevo-group.com
www.nuevo-group.com