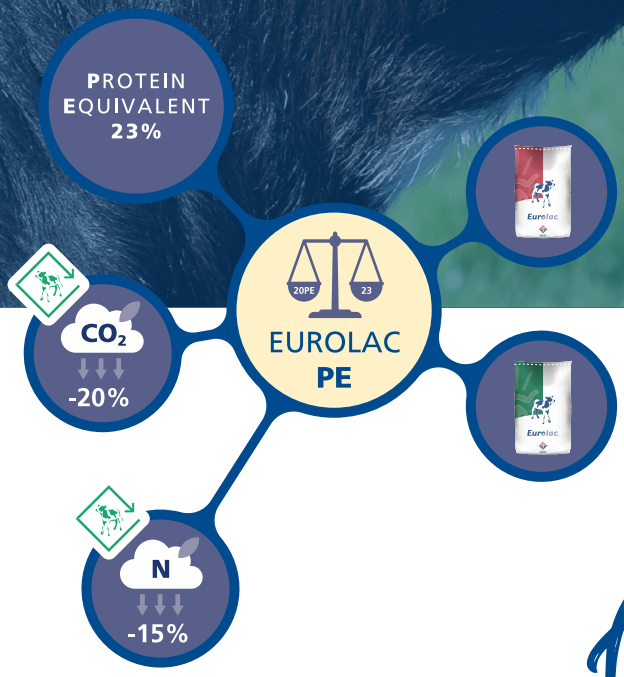
Eurolac® PE



Lower protein. equal results

Schils
YOUNG ANIMAL NUTRITION

Eurolac® PE

Lower protein, equal results

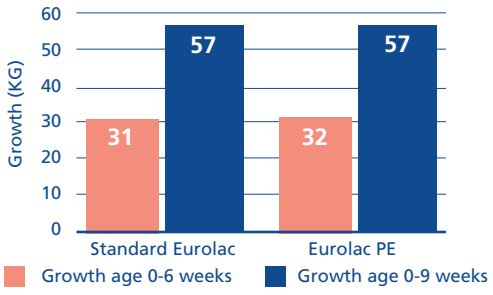
Proteins in the form of amino acids are the basis for growth of the young calf. We have succeeded in making our Eurolac calf milk replacer so efficient that we can achieve the same growth with less protein as with a traditional calf milk replacer.

The total crude protein content of a calf milk replacer says little about the total intake of amino acids per day. Dairy proteins as a steady basis are very important, but can, from an economic point of view, be partly replaced by vegetable proteins. Specific amino acids can also be added to milk replacers in order to meet the requirements of the young calves. When the amino acid demand of the growing calf is met, it is possible to reduce the crude protein content in milk replacers while maintaining growth and health.

We concluded, after performing extensive trials, that reducing the protein content in milk replacers from 23% to 20% with the same amino acid pattern and an intensive feeding schedule of 50kg results in similar technical and health results:

CMR	Standard	Eurolac PE
Protein %	23	20
Fat %	18	18
Ash %	7.5	7.5
Lysine %	1.95	1.95
M+C %	0.95	0.95
Treon %	1.2	1.2
Tryp %	0.3	0.3
Valine %	1.4	1.4
N % (x 6.38)	3.61	3.13 (-/- 15%)
CO_2 footprint eq (Nevedi) g/kg	6,766	5,302 (-/- 22%)
Cost	€€€€	€€€

Trial results: Different protein levels - same level of amino acids



Prepare for the future...

Our Eurolac PE products fit into a sustainability-oriented approach in which growth, calf wellbeing and ease of use remain at the same high level.

- Lower level of protein
- Reduces CO_2 emissions
- Reduces nitrogen emissions

Locally produced fat sources

Trial results from various Schils trials show that it is possible to (partly) replace coconut oil and / or palm oil in calf milk replacers with a composition of sustainable and/or local fat sources. The fat composition can consist of a combination of sunflower-, rapeseed-, linseed- and insect oil. Insect oil contains easy digestible medium chain fatty acid lauric acid, as well as the omega 6 fatty acid linoleic acid. These can support the calf during periods of stress, e.g. around the weaning period. In addition to the health properties of insect oil, the use in calf milk replacer reduces the CO_2 footprint of the total product. Furthermore, it is a circular fat source, as the insects grow on products that are no longer suitable for human consumption. For more information about the specific fat trials and possibilities, please contact your Schils specialist.

Schils

Customer oriented

Reliable

Dynamic

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